

TYPICAL MINOR ARTERIAL STREET SECTION
(PUBLIC) NOT TO SCALE

NOTE: ALL LANDSCAPING/WALKWAYS FROM PL TO PL TO BE MAINTAINED BY MASTER HOMEOWNER ASSOCIATION

RHODES HOMES ARIZONA, LLC
GOLDEN VALLEY RANCH



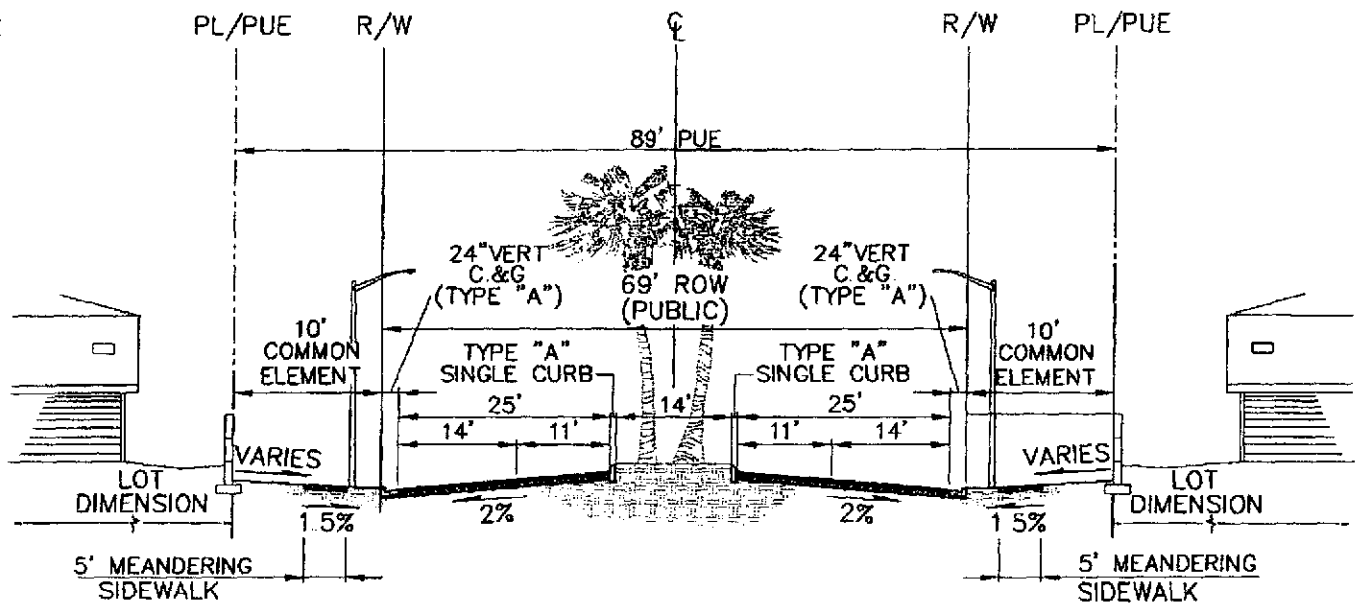
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SCALE: NOT TO SCALE

FIGURE I-E

DATE: 20 DEC 2005
REV:

CL01717



**TYPICAL MINOR ARTERIAL STREET SECTION
WITH MEDIAN (PUBLIC)** NOT TO SCALE

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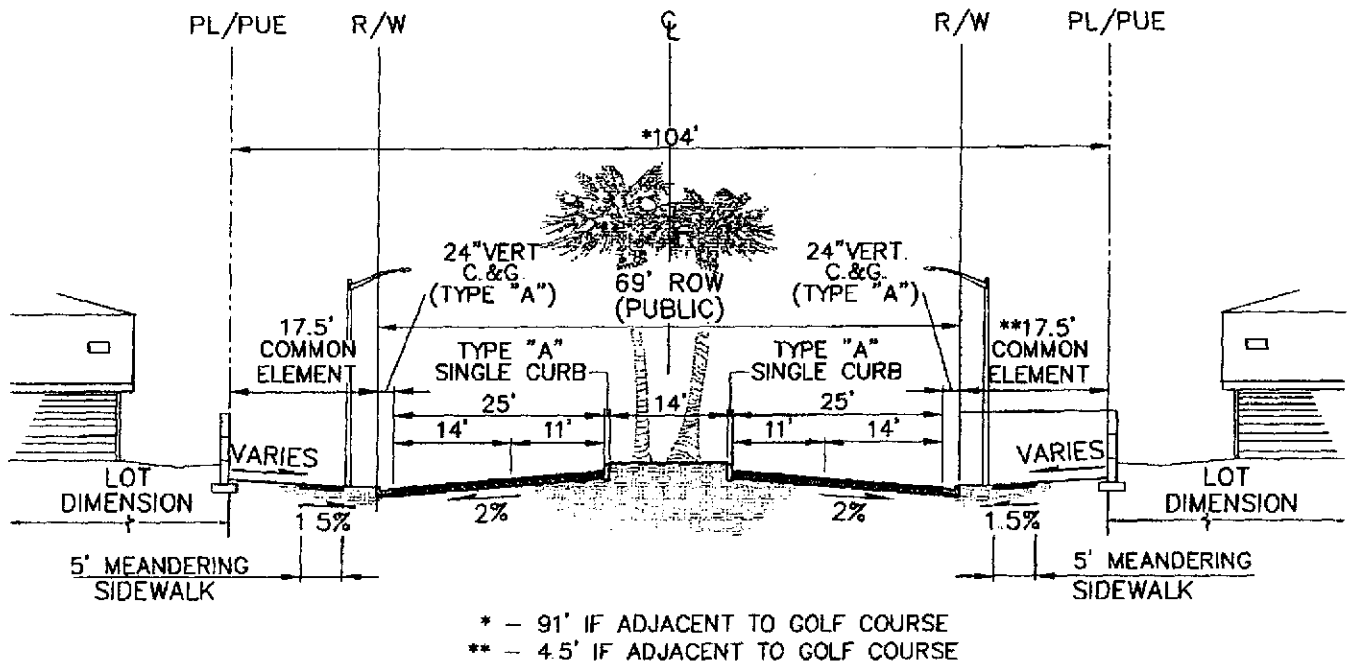
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FIGURE 1-F

DATE: 20 DEC 2005
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TYPICAL LOOP RD. #1 STREET SECTION
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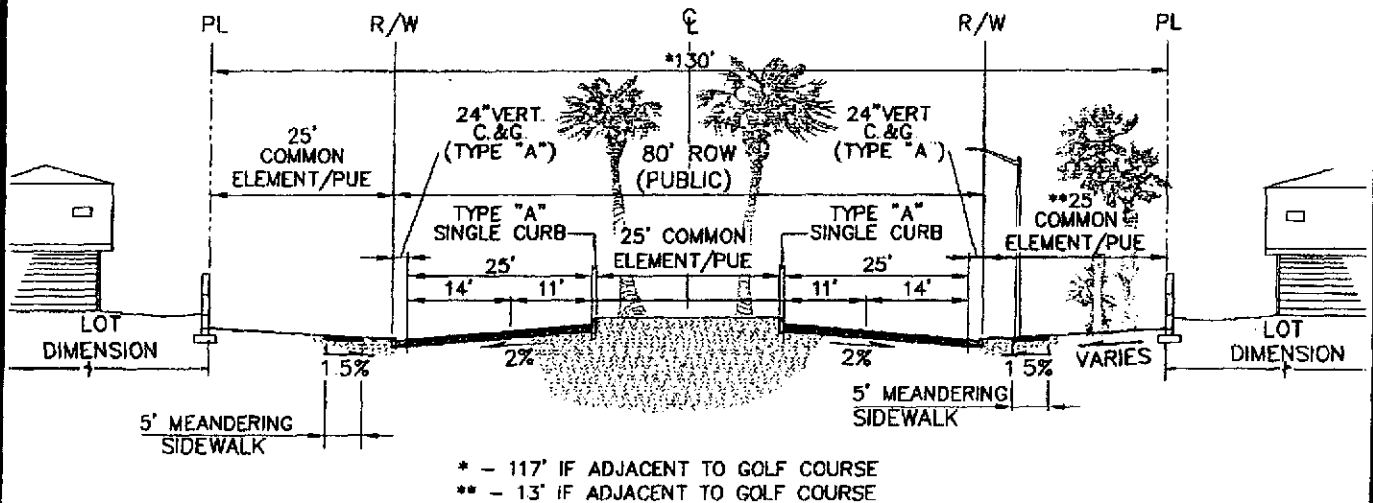
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SCALE: NOT TO SCALE

FIGURE I-G

DATE: 20 DEC 2005
 REV:

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TYPICAL LOOP RD. #2 STREET SECTION
 (PUBLIC) NOT TO SCALE

NOTE: ALL LANDSCAPING/WALKWAYS FROM PL
 TO PL TO BE MAINTAINED BY MASTER
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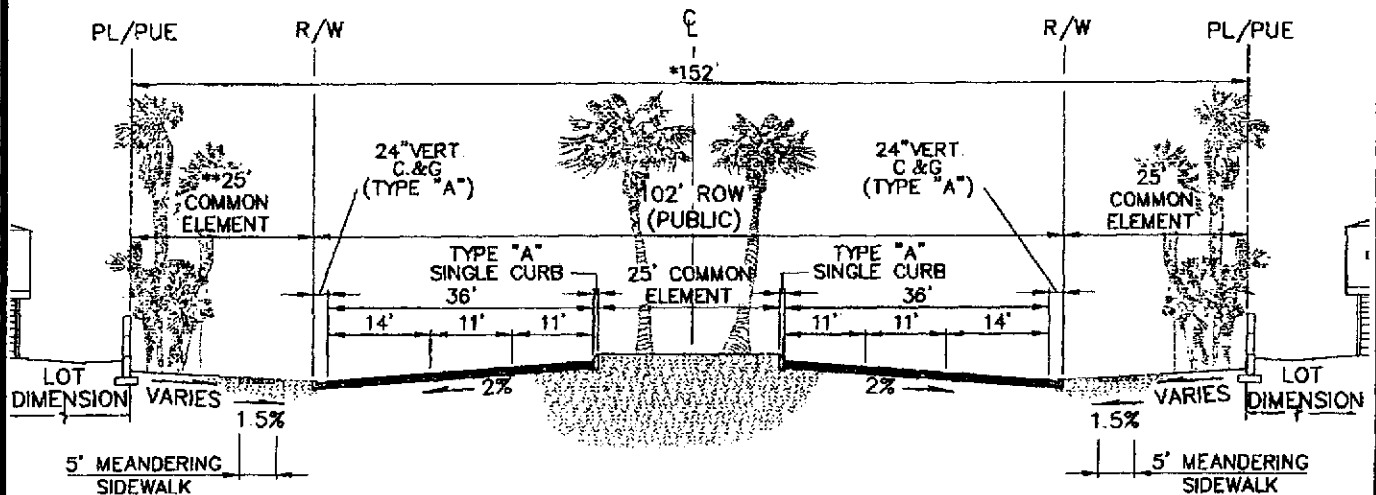
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SCALE: NOT TO SCALE

FIGURE I-H

DATE: 20 DEC 2005
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* - 139' IN LOCATIONS ADJACENT TO GOLF COURSE
 ** - 12' IN LOCATIONS ADJACENT TO GOLF COURSE

TYPICAL MAJOR ARTERIAL STREET SECTION (PUBLIC)

NOT TO SCALE

NORTH OF GOLF COURSE FROM
 ROUND-A-BOUT TO SHINARUMP

NOTE: ALL LANDSCAPING/WALKWAYS FROM PL
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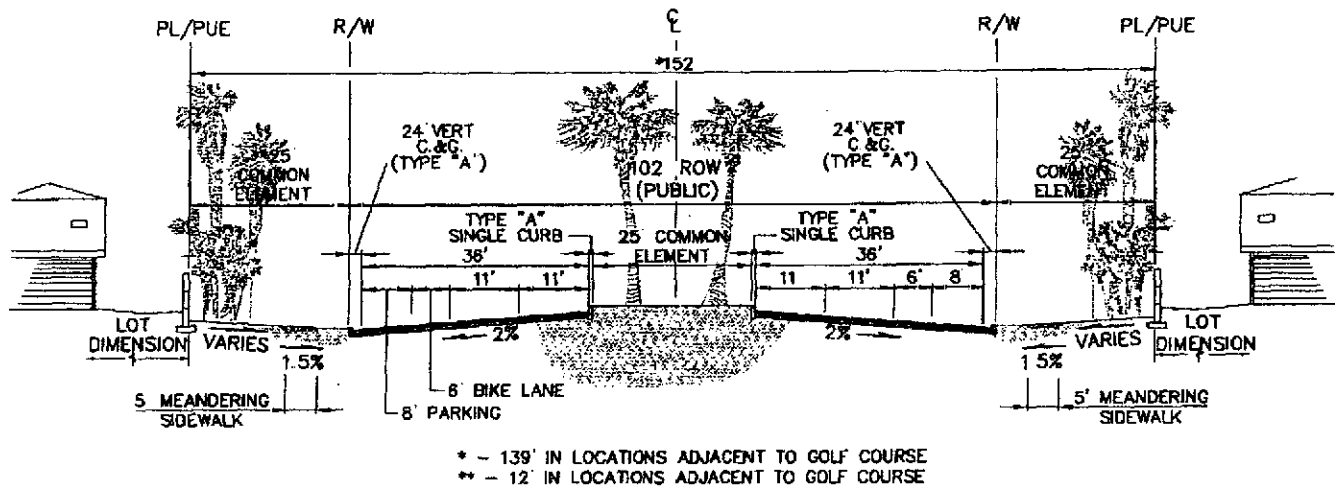
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FIGURE I-I-1

DATE: 20 DEC 2005
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CL01721



TYPICAL INTERMEDIATE MAJOR ARTERIAL STREET SECTION
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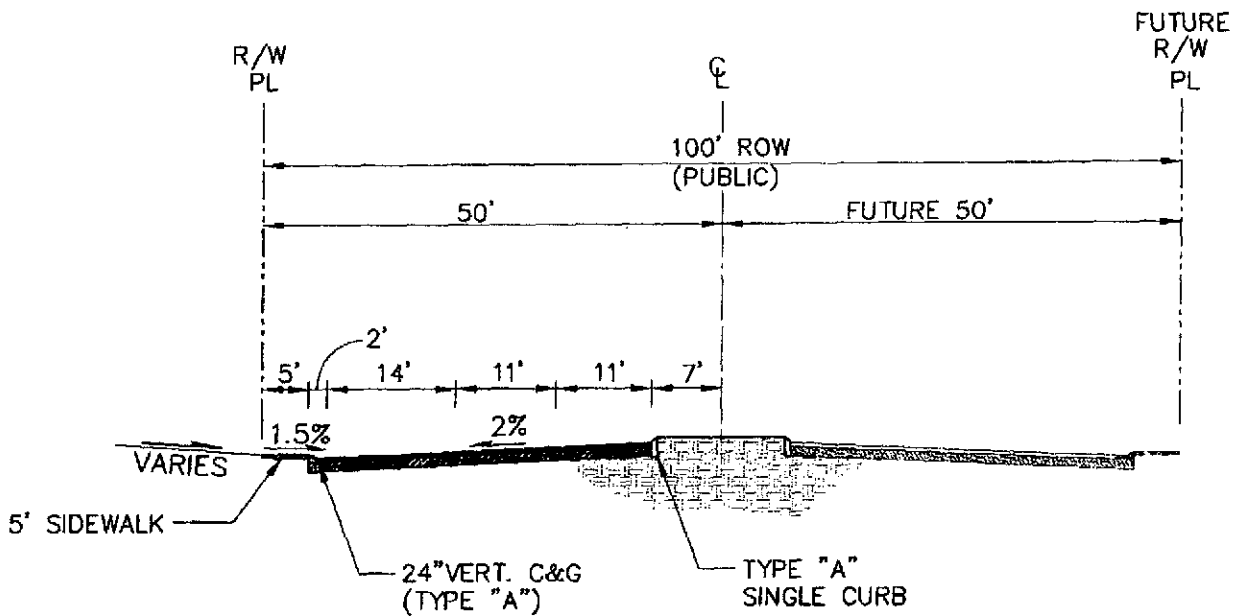
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FIGURE I-I-2

DATE: 20 DEC 2005
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**TYPICAL 100' RIGHT-OF-WAY
HALF STREET SECTION
(PUBLIC)**
SECTION LINE ROADWAYS

NOT TO SCALE

NOTE: ALL LANDSCAPING/WALKWAYS FROM PL
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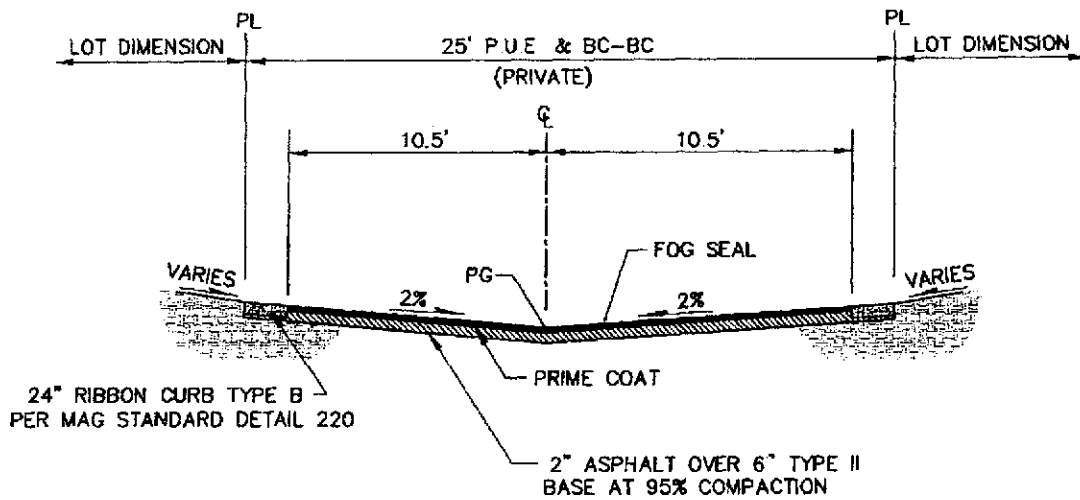
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FIGURE I-J

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NOTE: FINAL PAVEMENT SECTIONS TO BE BASED ON ADDITIONAL R-VALUE TESTS PERFORMED DURING CONSTRUCTION OF THE ACTUAL SUBGRADE MATERIALS AND TRAFFIC INFORMATION.

TYPICAL ALLEY STREET SECTION (PRIVATE) NOT TO SCALE

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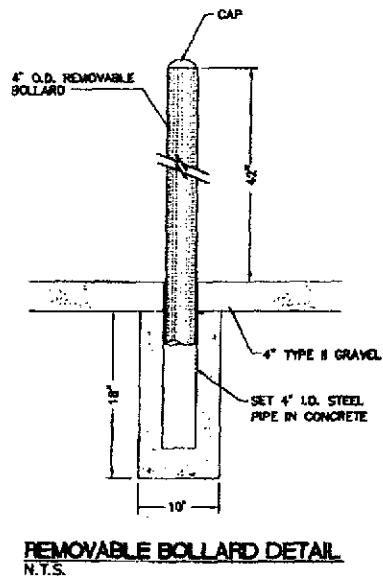
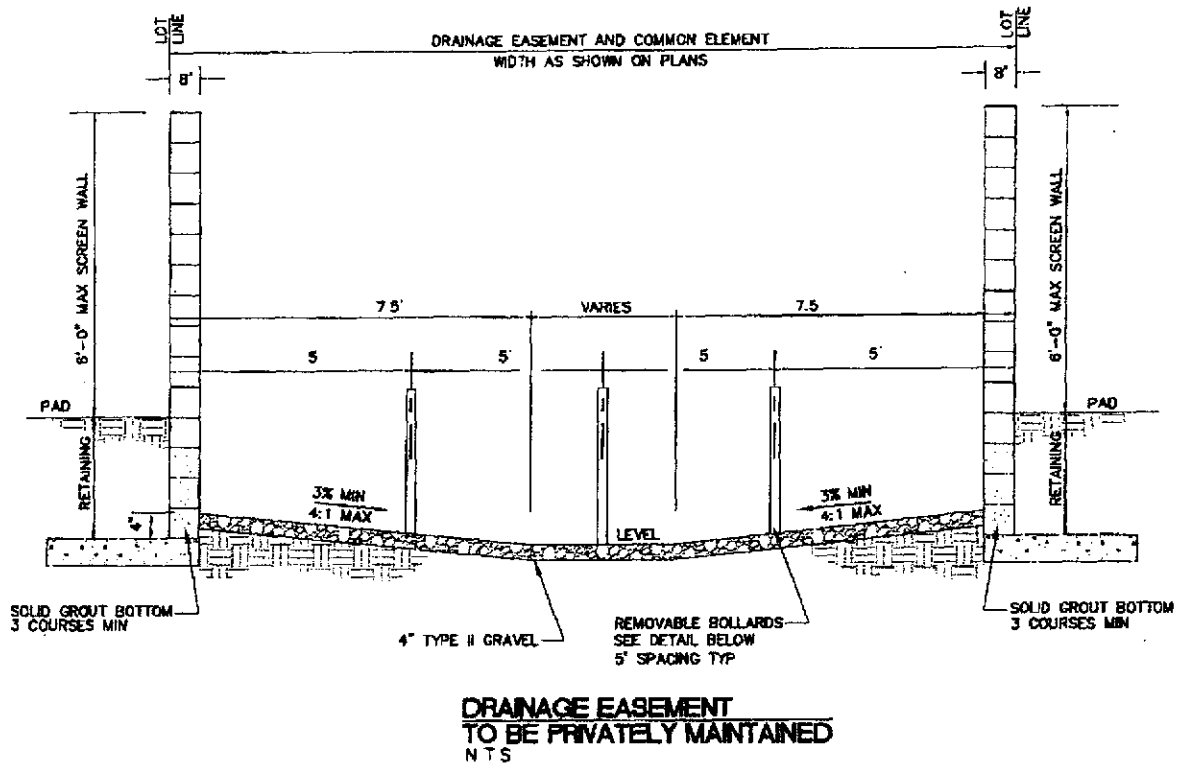
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FIGURE I-K

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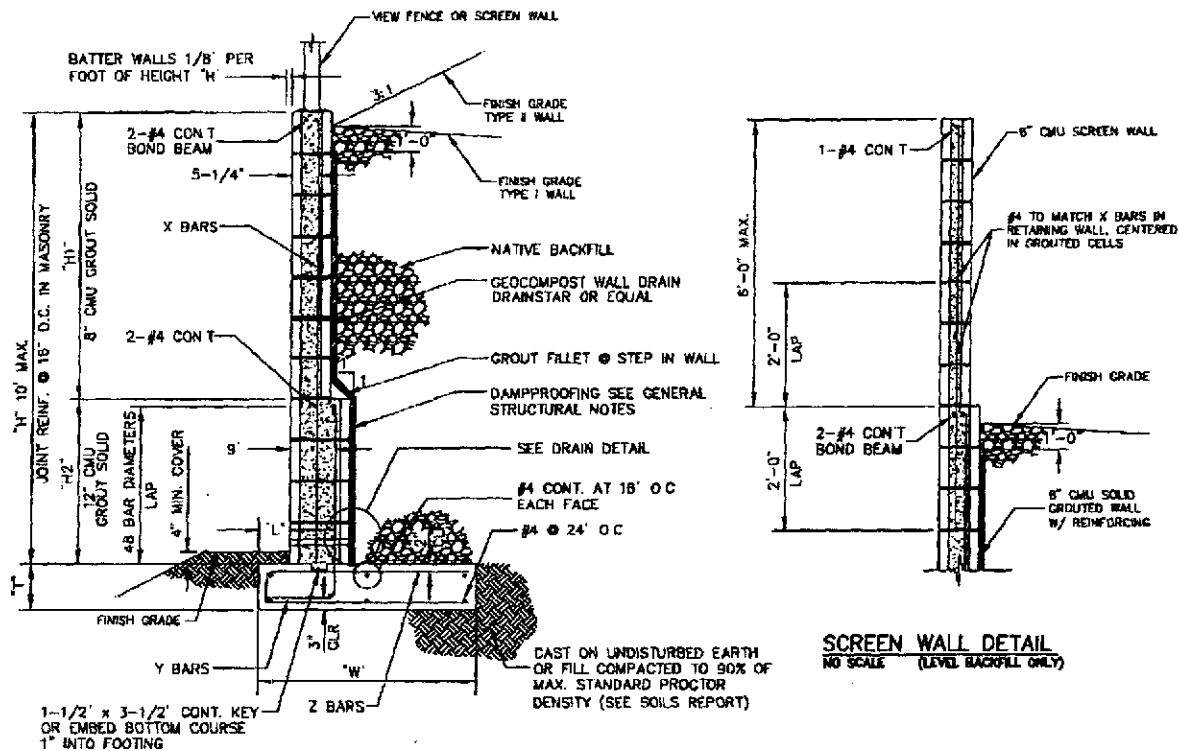
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FIGURE II-B

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TYPE I DIMENSIONS - LEVEL BACKFILL									
H	H1	H2	W	T	L	X BARS	Y BARS	Z BARS	
WALLS NOT REQUIRING SPECIAL INSPECTION									
2'-0"	2'-0"	-	2'-6"	12"	9"	#4 @ 48"	#4 @ 48"	#4 @ 24"	
2'-8"	2'-8"	-	2'-6"	12"	9"	#4 @ 48"	#4 @ 48"	#4 @ 24"	
3'-4"	3'-4"	-	2'-6"	12"	9"	#4 @ 48"	#4 @ 48"	#4 @ 24"	
4'-0"	4'-0"	-	2'-9"	12"	9"	#4 @ 48"	#5 @ 24"	#4 @ 24"	
4'-8"	4'-8"	-	3'-3"	12"	9"	#4 @ 48"	#5 @ 24"	#4 @ 24"	
5'-4"	5'-4"	-	3'-6"	12"	9"	#4 @ 48"	#5 @ 16"	#4 @ 18"	
WALLS REQUIRING SPECIAL INSPECTION									
6'-0"	3'-4"	2'-8"	3'-6"	12"	9"	#5 @ 48"	#5 @ 24"	#5 @ 24"	
6'-8"	4'-0"	2'-8"	4'-3"	12"	9"	#5 @ 48"	#5 @ 24"	#5 @ 24"	
7'-4"	4'-8"	2'-8"	4'-6"	12"	9"	#5 @ 48"	#5 @ 24"	#5 @ 24"	
8'-0"	5'-4"	2'-8"	4'-9"	14"	9"	#5 @ 24"	#5 @ 8"	#5 @ 16"	
8'-8"	6'-0"	2'-8"	5'-3"	14"	9"	#5 @ 8"	#5 @ 8"	#5 @ 16"	
9'-4"	6'-8"	3'-4"	5'-6"	14"	9"	#5 @ 32"	#5 @ 16"	#5 @ 16"	
10'-0"	6'-8"	3'-4"	5'-6"	16"	9"	#5 @ 24"	#5 @ 16"	#5 @ 16"	

* FOR THIS HEIGHT WALL THE X BARS MAY BE ELIMINATED BY EXTENDING THE Y BARS TO THE TOP OF THE WALL

** WHEN "H2" DOES NOT EXIST LOCATE THE Y BARS IN THE SAME POSITION AS THE X BARS. EXTEND THE Y BARS INTO THE MASONRY WALL 2'-0" MINIMUM FOR A #4 BAR 2'-6" MINIMUM FOR A #5 BAR AND 3'-0" FOR A #6 BAR

TYPE II DIMENSIONS - 3:1 SLOPING BACKFILL									
H	H1	H2	W	T	L	X BARS	Y BARS	Z BARS	
WALLS NOT REQUIRING SPECIAL INSPECTION									
2'-0"	2'-0"	-	2'-0"	12"	9"	#4 @ 48"	#4 @ 48"	#4 @ 24"	
2'-8"	2'-8"	-	2'-3"	12"	9"	#4 @ 48"	#4 @ 48"	#4 @ 24"	
3'-4"	3'-4"	-	2'-6"	12"	9"	#4 @ 48"	#4 @ 48"	#4 @ 24"	
4'-0"	4'-0"	-	2'-9"	12"	9"	#4 @ 48"	#4 @ 24"	#4 @ 24"	
4'-8"	4'-8"	-	3'-3"	12"	9"	#4 @ 48"	#4 @ 24"	#4 @ 24"	
5'-4"	5'-4"	-	4'-6"	12"	9"	#4 @ 48"	#4 @ 24"	#4 @ 18"	
WALLS REQUIRING SPECIAL INSPECTION									
6'-0"	3'-4"	2'-8"	5'-3"	12"	9"	#4 @ 40"	#4 @ 24"	#5 @ 24"	
6'-8"	4'-0"	2'-8"	6'-3"	12"	9"	#4 @ 24"	#4 @ 18"	#5 @ 16"	
7'-4"	4'-8"	2'-8"	7'-0"	12"	9"	#4 @ 16"	#5 @ 8"	#5 @ 8"	
8'-0"	5'-4"	2'-8"	7'-6"	15"	9"	#4 @ 8"	#5 @ 8"	#5 @ 8"	
8'-8"	6'-0"	2'-8"	8'-3"	18"	9"	#5 @ 8"	#5 @ 8"	#5 @ 8"	
9'-4"	6'-8"	3'-4"	9'-0"	18"	9"	#5 @ 8"	#5 @ 8"	#5 @ 8"	
10'-0"	6'-8"	4'-0"	9'-6"	21"	9"	#5 @ 6"	#5 @ 8"	#5 @ 8"	

* FOR THIS HEIGHT WALL THE X BARS MAY BE ELIMINATED BY EXTENDING THE Y BARS TO THE TOP OF THE WALL

** WHEN "H2" DOES NOT EXIST LOCATE THE Y BARS IN THE SAME POSITION AS THE X BARS. EXTEND THE Y BARS INTO THE MASONRY WALL 2'-0" MINIMUM FOR A #4 BAR 2'-6" MINIMUM FOR A #5 BAR AND 3'-0" FOR A #6 BAR

RETAINING WALL & SCHEDULE

NO SCALE

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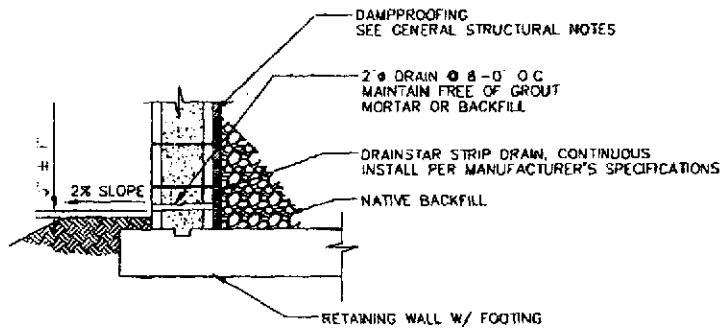
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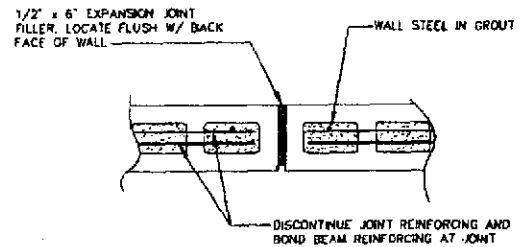
FIGURE II-C-1

DATE: 20 DEC 2005
REV:

CL01726



DRAIN DETAIL
NO SCALE



CONSTRUCTION JOINT DETAIL
NO SCALE

GENERAL STRUCTURAL NOTES:

1. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60
2. CONCRETE SHALL HAVE MINIMUM STRENGTH OF 3500 psi AT 28 DAYS USING TYPE V CEMENT PER ASTM C150. (DESIGN BASED ON $f_c = 2500$ psi. NO SPECIAL INSPECTION REQUIRED)
3. MASONRY UNITS SHALL BE ASTM C90, GRADE N-1 HOLLOW CONCRETE UNITS. MASONRY DESIGN STRESS IS AS FOLLOWS: 8" CMU $f_m = 1500$ psi, 12" CMU $f_m = 1900$ psi. FULL STRESSES ARE USED WHERE SPECIAL INSPECTION IS SPECIFIED. SPECIAL INSPECTION SHALL BE PER THE 1997 UBC SECTION 1701
4. MORTAR SHALL BE ASTM C270 TYPE "M" OR "S" WITH MINIMUM STRENGTH OF 1800 psi AT 28 DAYS USING TYPE V CEMENT PER ASTM C1500
5. GROUT SHALL BE PER ASTM C476 WITH A MINIMUM STRENGTH OF 2000 psi AT 28 DAYS USING TYPE V CEMENT PER ASTM C-150
6. HORIZONTAL JOINT REINFORCING SHALL BE 9-GA. LADDER TYPE PER UBC STD 21-10 WITH LAP SPLICES OF 12" MINIMUM INCLUDING CORNERS AND INTERSECTIONS
7. UNLESS OTHERWISE NOTED, ALL CONSTRUCTION SHALL CONFORM TO THE UNIFORM BUILDING CODE, LATEST EDITION, AND PER STANDARD SPECIFICATIONS FOR THE CITY OF HENDERSON, NEVADA BUILDING DEPARTMENT
8. ALL WALLS ARE SUBJECT TO APPROVAL BY THE CITY OF HENDERSON NEVADA BUILDING DEPARTMENT
9. SOLID GROUT ALL MASONRY UNITS THAT ARE AT OR BELOW FINISH GRADE
10. ALL CORNERS OR ANGLES SHALL BE TIED TOGETHER WITH REINFORCING STEEL AND GROUTED SOLID
11. WHERE VERTICAL GROUT POURS ARE NOT CONTINUOUS FOR THE ENTIRE HEIGHT OF THE WALL, TERMINATE LIFT 1 1/2" BELOW TOP OF TOP BLOCK TO FORM A KEY FOR FUTURE LIFTS
12. LOCATE CONTROL JOINTS IN RETAINING WALL AT A MAXIMUM SPACING OF 24'-0"
13. BOND BEAMS AND JOINT REINFORCING SHALL NOT BE CONTINUOUS THROUGH WALL CONSTRUCTION JOINTS
14. WALLS SHALL BE STEPPED ONLY AS SHOWN ON THE PLANS
15. IF ACTUAL HEIGHT OF WALL IS NOT LISTED IN TABLE USE STEEL AND DIMENSIONS FOR NEXT HIGHEST WALL LISTED
16. DAMPPROOFING. DAMPPROOFING SHALL BE AS FOLLOWS:
 - A. APPLY WATCHDOG WATERPROOFING MEMBRANE, AS MANUFACTURED BY KOCH MATERIALS COMPANY, OVER SOIL SIDE OF RETAINING WALL. APPLICATION OF THE WATCHDOG WATERPROOFING MEMBRANE SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTRUCTIONS
 - B. INSTALL A 24-MIL DIMPLED HDPE MEMBRANE OVER KOCH WATCHDOG MEMBRANE. PROVIDE DELTA-MS AS MANUFACTURED BY COSELLA - DORRKEN. APPLICATION OF THE DELTA-MS SYSTEM SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTRUCTIONS DETAILS AND MATERIALS.
17. BACKFILL BEHIND WALLS SHALL BE COMPACTED TO 90% OF STANDARD PROCTOR DENSITY
18. WHERE RETAINING WALLS ARE SHOWN ON PERIMETER STREETS, USE DECORATIVE BLOCK TO MATCH THOSE OF THE PERIMETER WALLS
19. SOILS REPORT PREPARED BY KLEINFELDER INC. PROJECT No. 2115B DATED OCT 03 2007

ALLOWABLE SOILS BEARING PRESSURE = 2500 psf FOR 12" WIDE FOOTING PLUS 800 psf FOR EACH ADDITIONAL FOOT OF WIDTH OF FOOTING 5000 psf MAXIMUM.
 SOIL ACTIVE PRESSURE = 35 psf/ft (LEVEL)
 SOIL PASSIVE PRESSURE = 300 psf/ft
 COEFFICIENT OF FRICTION = 0.40

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FIGURE II-C-2

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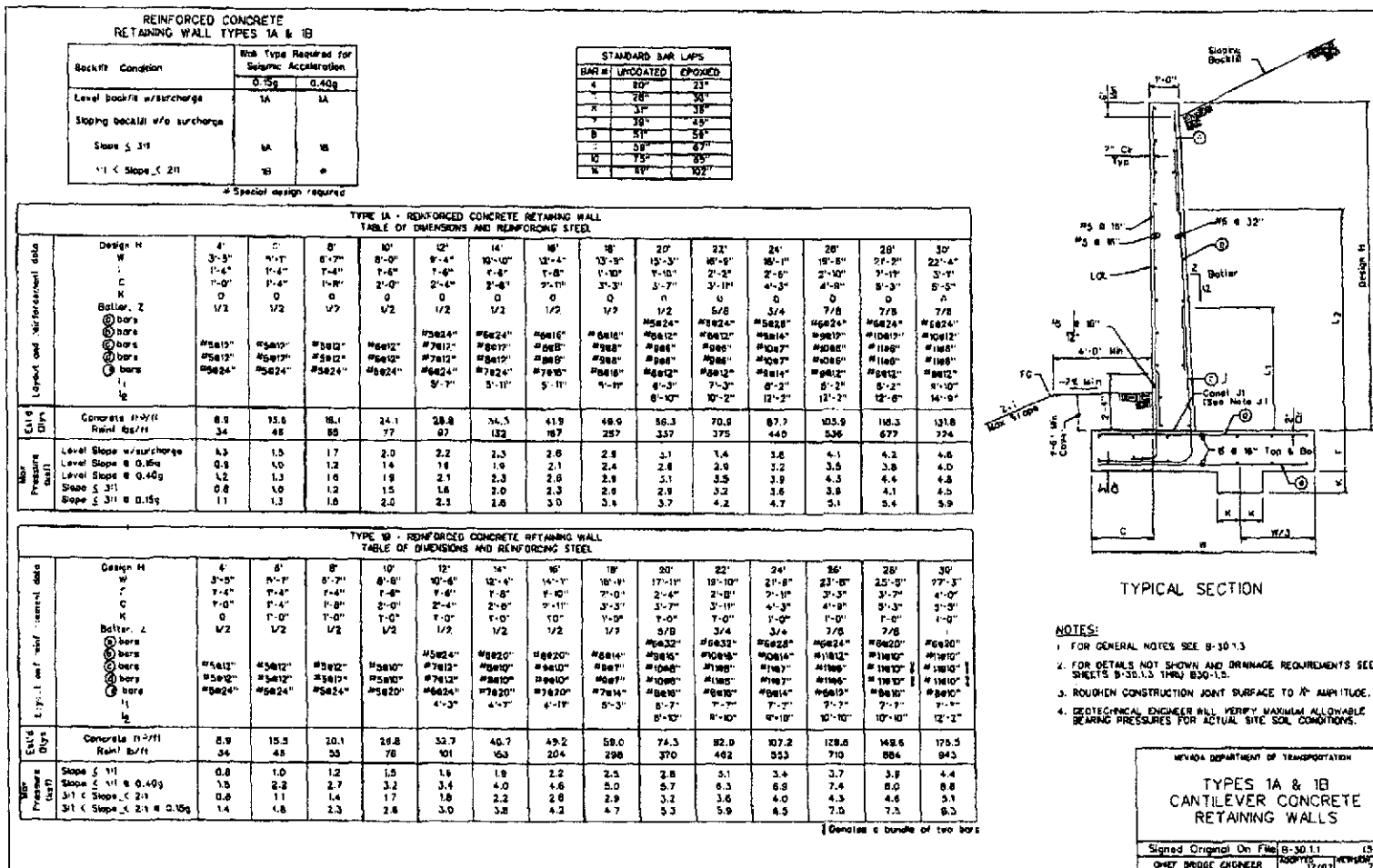
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FIGURE II-D-1

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SCALE: NOT TO SCALE

FIGURE II-D-2

DATE: 20 DEC 2005
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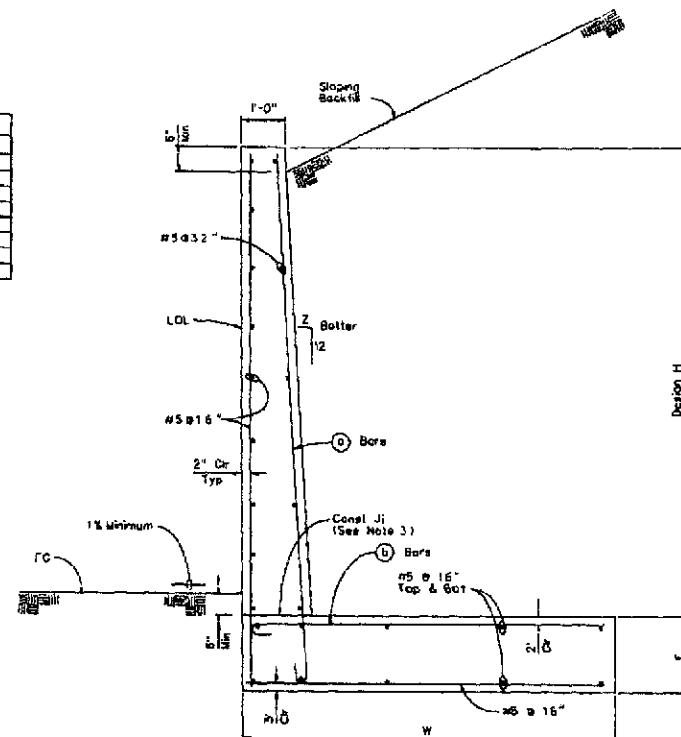
**REINFORCED CONCRETE
 RETAINING WALL TYPE 2**

Backfill Condition	Wall Type Required for Seismic Acceleration	
	0.15g	0.40g
Level backfill w/surcharge	2	2
Sloping backfill w/o surcharge	-	-
Slope $\leq 3:1$	2	2
$3:1 < \text{Slope} \leq 2:1$	2	W

W = Special design required

BAR #	STANDARD BAR LAPS	
	UNCOATED	EPOXIED
4	20"	23"
5	25"	30"
6	30"	35"
7	35"	40"
8	40"	45"
9	45"	50"
10	50"	55"
11	55"	60"

TYPE 2 - REINFORCED CONCRETE RETAINING WALL TABLE OF DIMENSIONS AND REINFORCING STEEL						
Design H W Batter, Z Ø bars Ø bars	4'-0"	5'-0"	6'-0"	8'-0"	10'-0"	12'-0"
	1'-4"	1'-4"	1'-4"	1'-6"	1'-6"	1'-6"
Concrete ft ² /ft Reinf lb/ft	9.5 33	12.8 45	17.0 61	23.5 80	33.0 111	44.0 144
Level Backfill w/surcharge	1.8	2.4	2.8	3.2	3.7	4.2
Level Backfill @ 0.15g	1.4	1.8	2.1	2.5	2.9	3.3
Level Backfill @ 0.40g	1.6	2.2	2.6	3.0	3.5	4.0
Slope $\leq 3:1$	1.2	1.7	2.3	2.7	3.4	4.0
Slope $\leq 3:1 @ 0.15g$	1.4	2.1	2.7	3.3	4.0	4.7
Slope $\leq 3:1 @ 0.40g$	2.0	3.3	4.3	5.2	6.4	7.7
$3:1 < \text{Slope} \leq 2:1$	1.5	2.0	2.6	3.1	3.8	4.5
$3:1 < \text{Slope} \leq 2:1 @ 0.15g$	1.9	2.8	3.8	4.7	5.8	6.9



TYPICAL SECTION

NOTES:

- FOR GENERAL NOTES SEE B-30.1.3
- FOR DETAILS NOT SHOWN AND DRAINAGE REQUIREMENTS SEE SHEETS B-30.1.3 THRU B-30.1.5.
- ROUGHEN CONSTRUCTION JOINT SURFACE TO 1/4" AMPLITUDE.
- GEOTECHNICAL ENGINEER WILL VERIFY MAXIMUM ALLOWABLE BEARING PRESSURES FOR ACTUAL SITE SOIL CONDITIONS.

NEVADA DEPARTMENT OF TRANSPORTATION

**TYPE 2
 CANTILEVER CONCRETE
 RETAINING WALL**

Signed Original On File B-30.1.2 (502)
 CHIEF BRIDGE ENGINEER APPROVED 12/02 REVIEWED 7/04

CL01729



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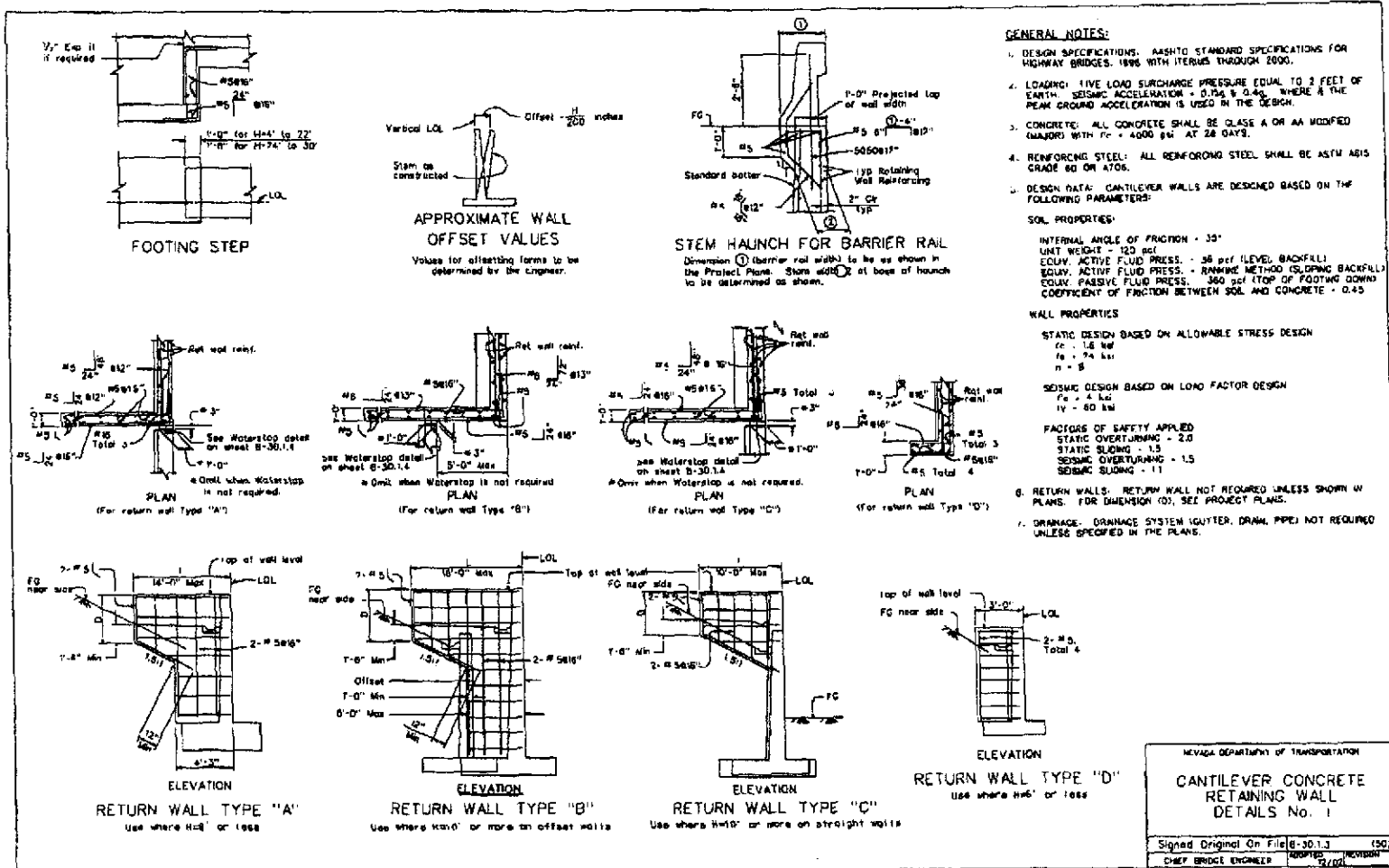
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FIGURE II-D-3

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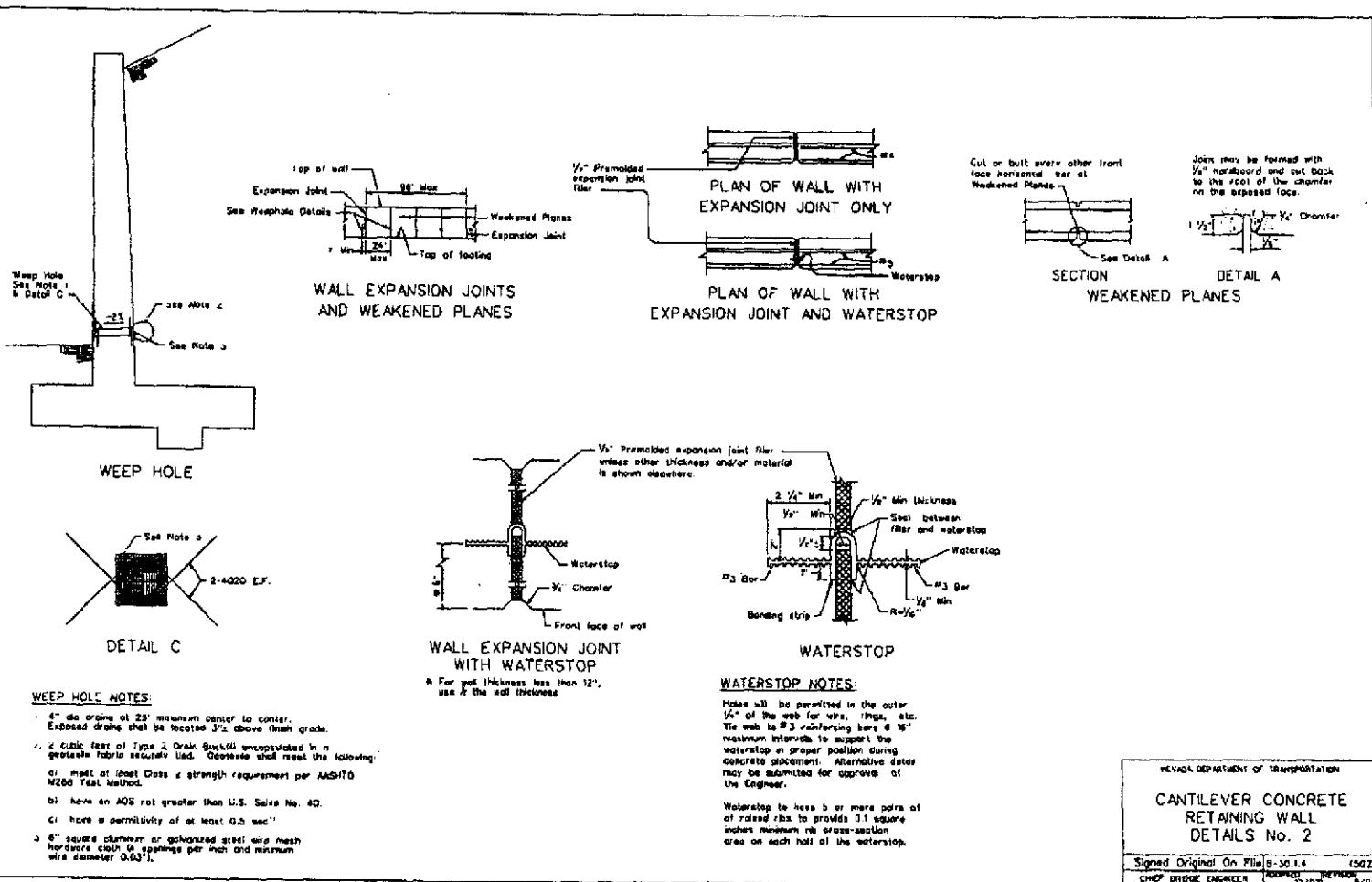
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GOLDEN VALLEY RANCH**

SCALE: NOT TO SCALE

FIGURE II-D-4

DATE: 20 DEC 2005
REV:



NEVADA DEPARTMENT OF TRANSPORTATION
**CANTILEVER CONCRETE
RETAINING WALL
DETAILS No. 2**
Signed Original On File 8-30-04 (5421)
CHIEF ENGINEER 12/20/05 8/05

CL01731



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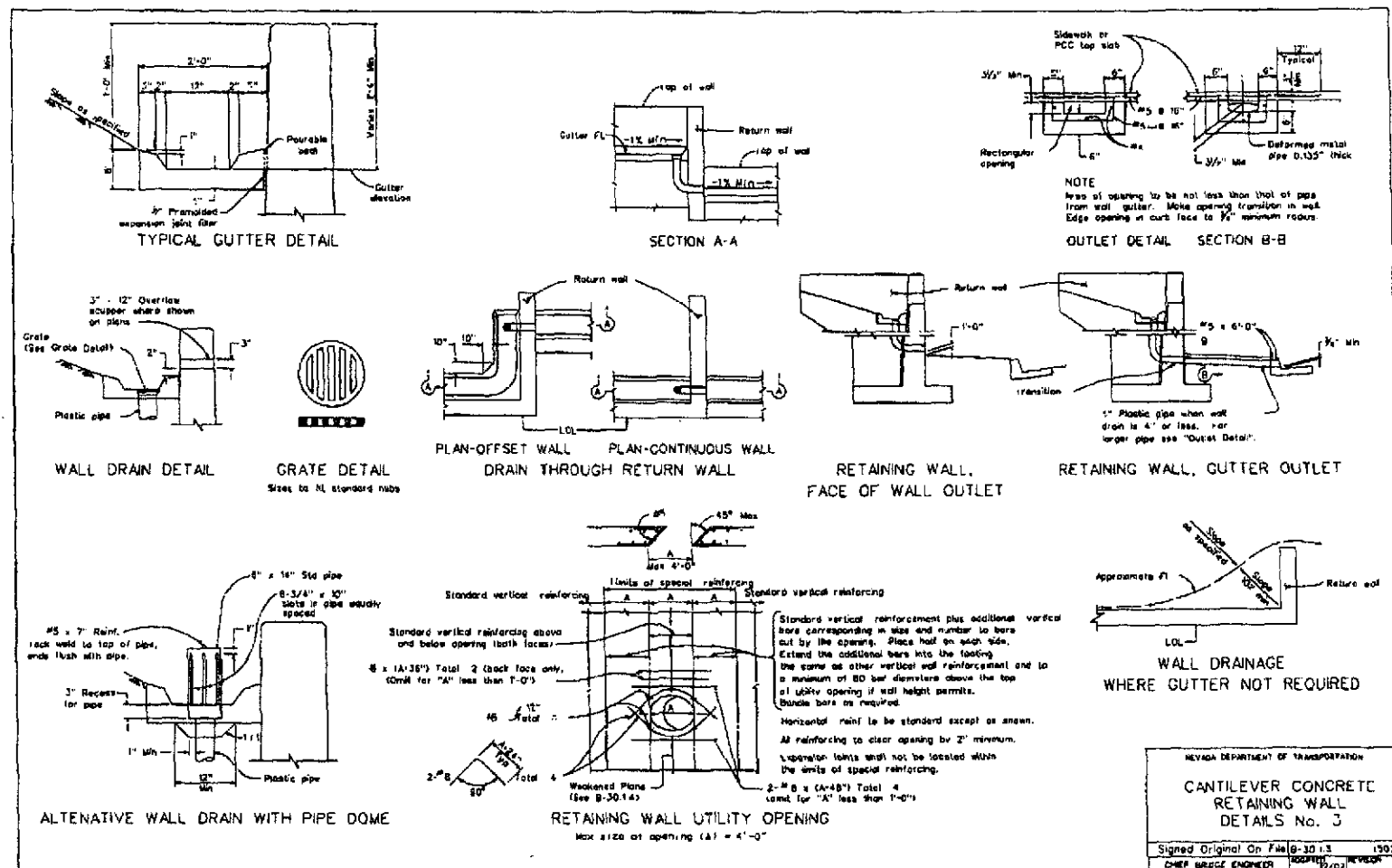
RHODES HOMES ARIZONA, LLC **GOLDEN VALLEY RANCH**

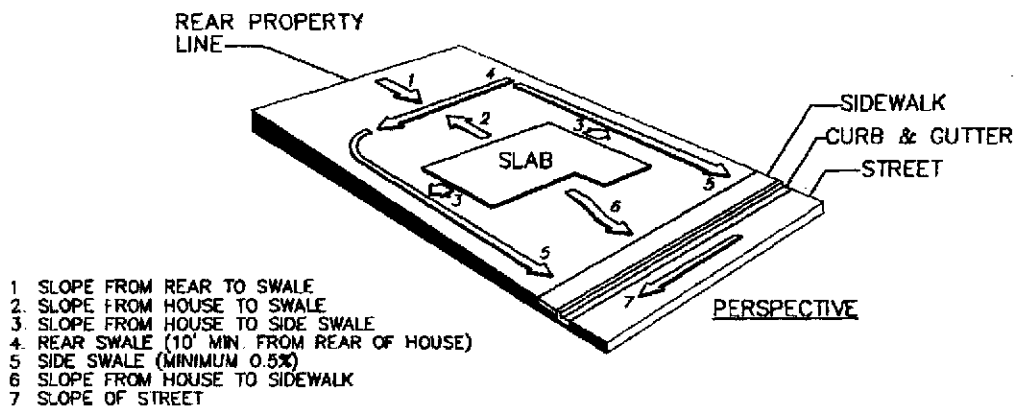
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FIGURE II-D-5

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TYPICAL LOT GRADING
N.T.S.

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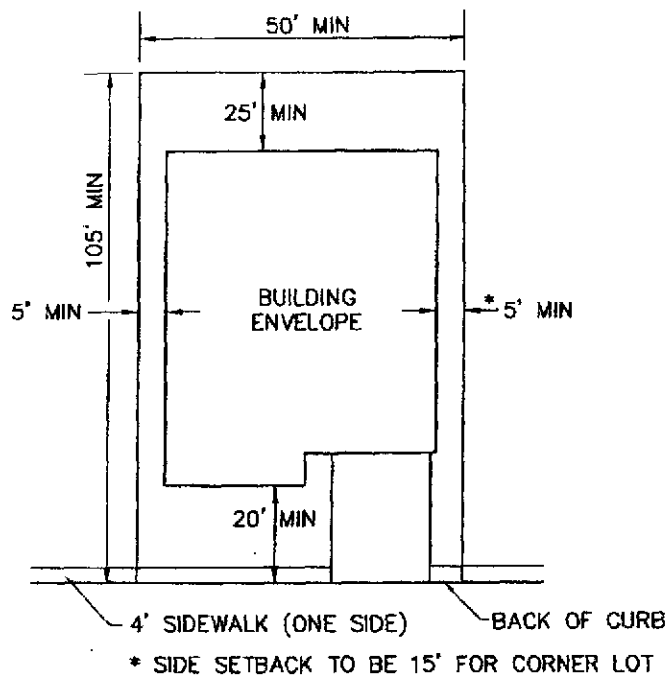
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SCALE: NOT TO SCALE

FIGURE III-A

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TYPICAL SETBACKS FOR ALL LOTS

NTS

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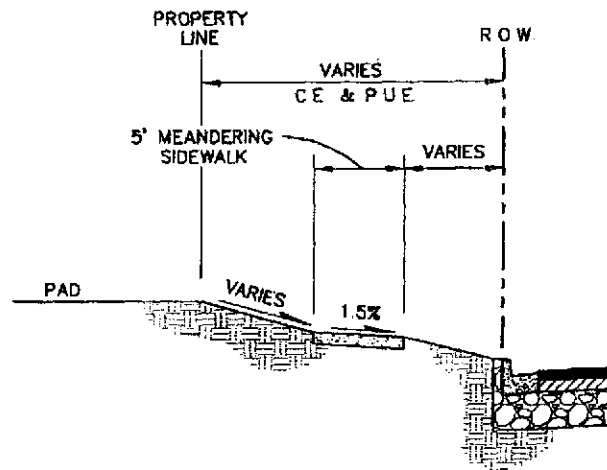
SCALE: NOT TO SCALE

FIGURE III-B

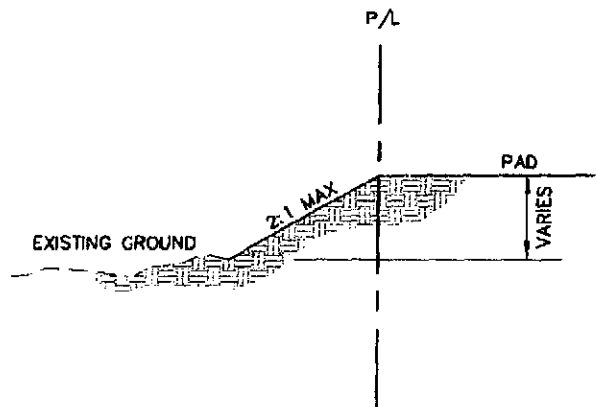
DATE: 20 DEC 2005
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LOT GRADING DETAILS



REAR YARD SECTION AT PERIMETER STREET
N.T.S.



REAR YARD SECTION AT PERIMETER BOUNDARY
N.T.S.

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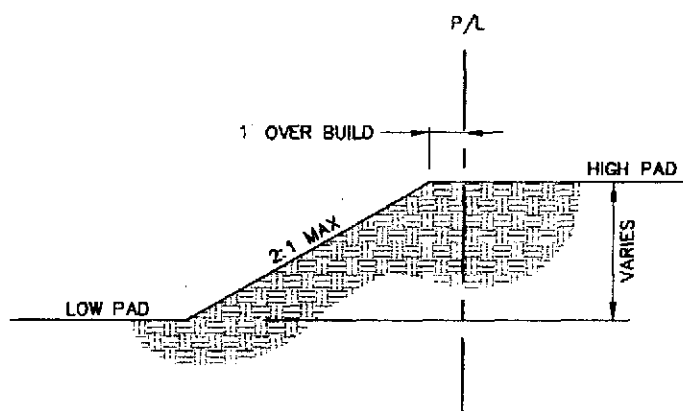
SCALE: NOT TO SCALE

FIGURE III-C

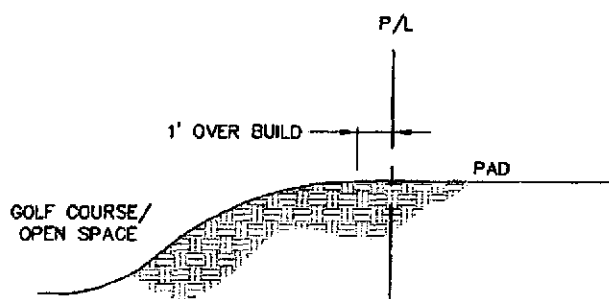
DATE: 20 DEC 2005
REV:

CL01735

LOT GRADING DETAILS



REAR YARD SECTION WITH SCARP
N.T.S.



REAR YARD SECTION AT GOLF COURSE / OPEN SPACE
N.T.S.

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GOLDEN VALLEY RANCH



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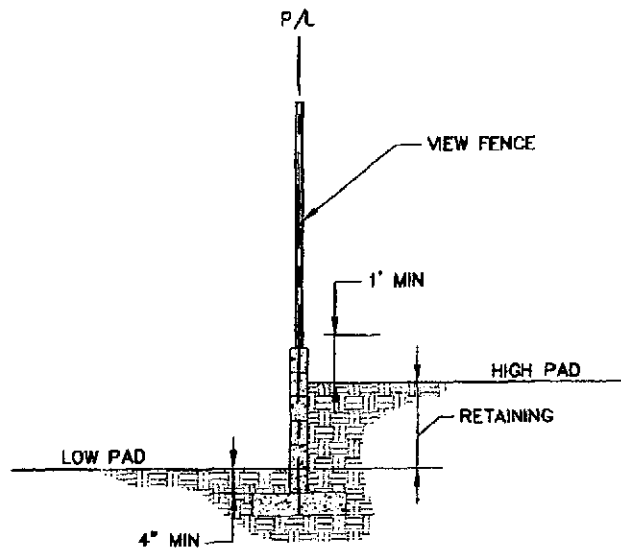
SCALE: NOT TO SCALE

FIGURE III-D

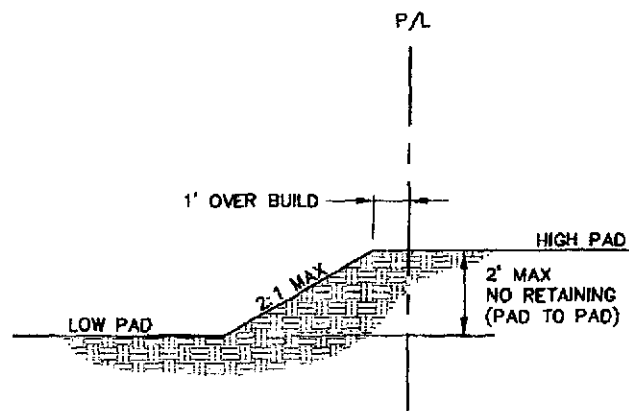
DATE: 20 DEC 2005
REV:

CL01736

LOT GRADING DETAILS



REAR / SIDE YARD SECTION WITH RETAINING
N.T.S.



SIDE YARD SECTION - NO RETAINING
N.T.S.

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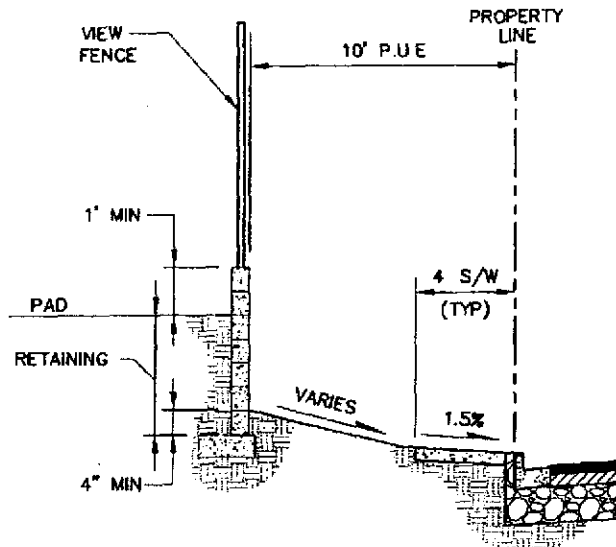
SCALE: NOT TO SCALE

FIGURE III-E

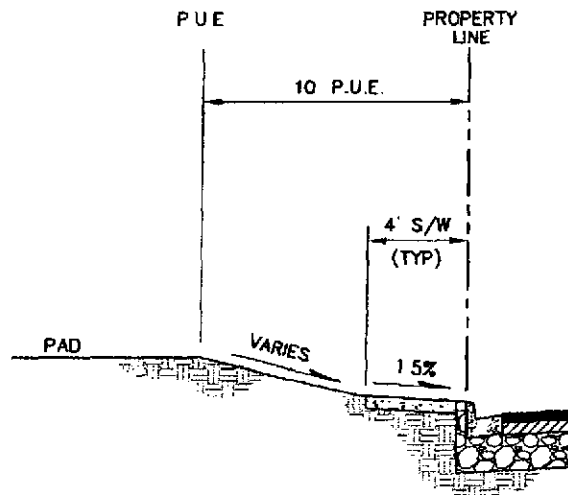
DATE: 20 DEC 2005
REV:

CL01737

LOT GRADING DETAILS



**SIDE YARD CORNER LOT SECTION AT
COLLECTOR WITH RETAINING**
N.T.S



**SIDE YARD CORNER LOT SECTION AT
COLLECTOR - NO RETAINING**
N.T.S

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GOLDEN VALLEY RANCH**



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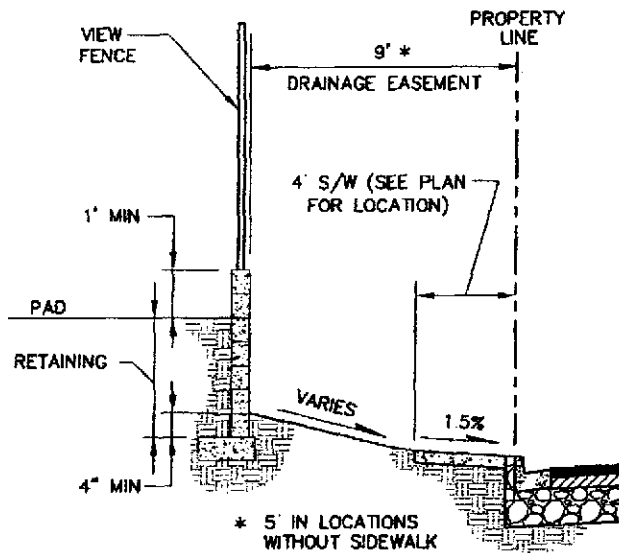
SCALE: NOT TO SCALE

FIGURE III-F

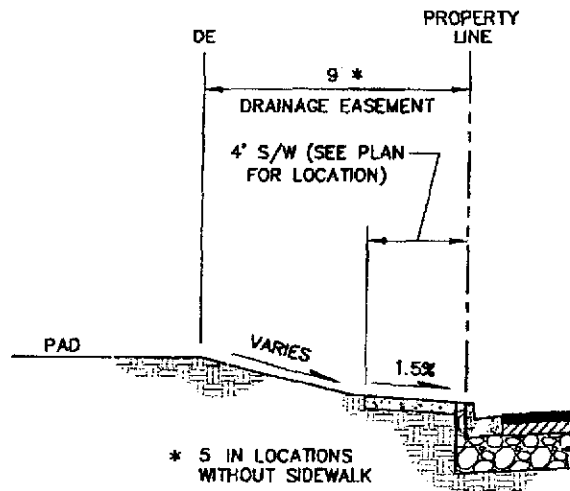
DATE: 20 DEC 2005
REV:

CL01738

LOT GRADING DETAILS



SIDE YARD CORNER LOT SECTION WITH RETAINING
N.T.S.



SIDE YARD CORNER LOT SECTION NO RETAINING
N.T.S.

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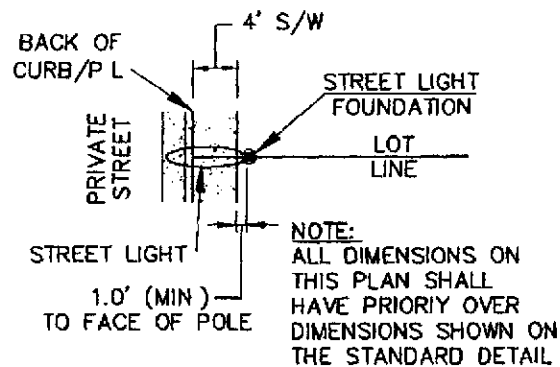
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SCALE: NOT TO SCALE

FIGURE III-G

DATE: 20 DEC 2005
REV:

CL01739



NOTE:
IN LOCATIONS WHERE LIGHT POLE IS NOT
ADJACENT TO A SIDEWALK, FACE OF POLE TO
BE 3' FROM BACK OF CURB

STREETLIGHT LOCATION
N.T.S

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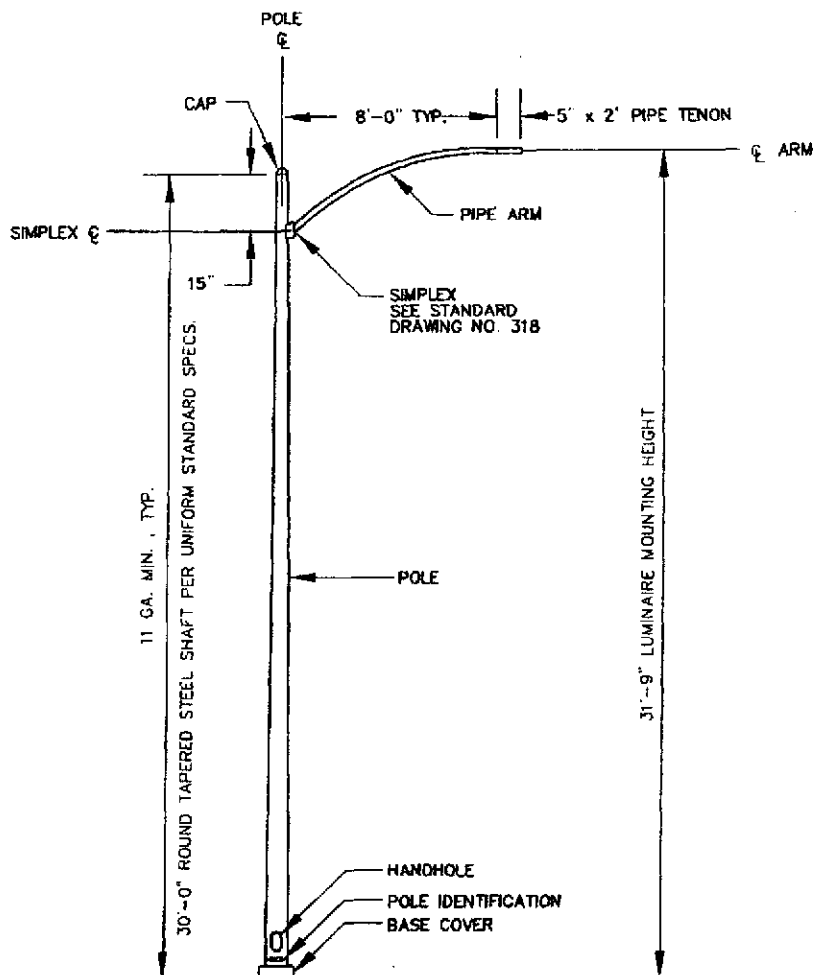
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SCALE: NOT TO SCALE

FIGURE IV-A

DATE: 20 DEC 2005
REV:

CL01740

**NOTES:**

1. SEE GENERAL NOTES STANDARD DRAWING NO. 313.
2. SEE STANDARD DRAWING NO 318 FOR DETAIL OF POLE BASE.
3. SEE STANDARD DRAWING NO 318 FOR DETAIL OF POLE CAP.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA	
506	STEEL STRUCTURES	STREETLIGHT STANDARD WITH 2" PIPE ARM	
623	TRAFFIC SIGNALS & STREETLIGHTING		
715	GALVANIZING		
		DATE 12-12-96	DWG. NO. 314 PAGE NO. 74

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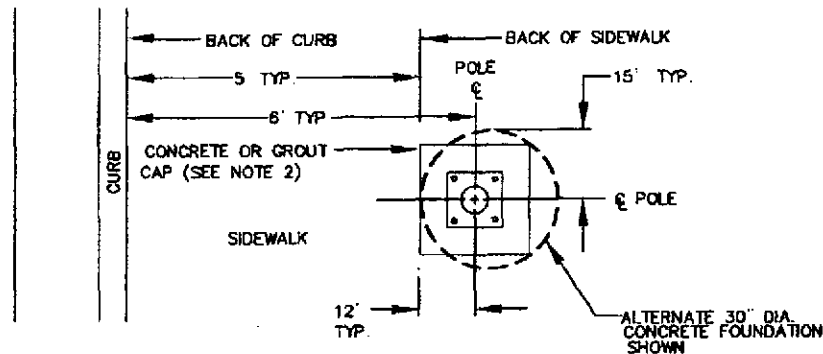
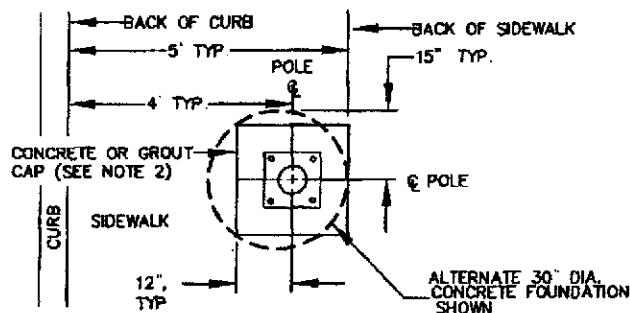
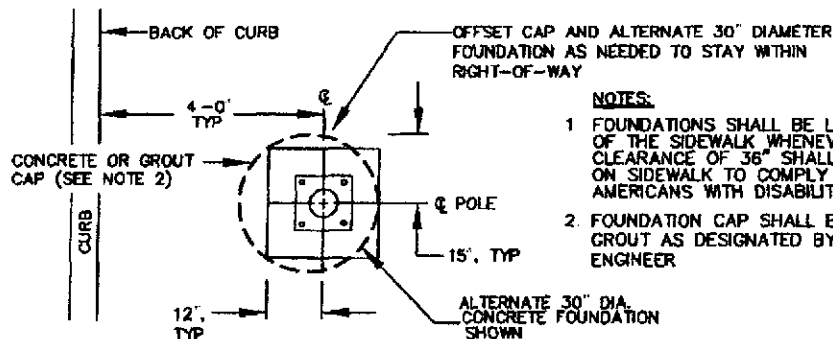
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SCALE: NOT TO SCALE

FIGURE IV-B

DATE: 20 DEC 2005
REV:

CL01741

BEHIND CURBSIDE SIDEWALKBACK PORTION OF CURBSIDE SIDEWALK (NOT FOR NEW CONSTRUCTION)OPEN AREA OR BETWEEN CURB AND SIDEWALK**NOTES:**

- 1 FOUNDATIONS SHALL BE LOCATED OUTSIDE OF THE SIDEWALK WHENEVER FEASIBLE. A CLEARANCE OF 36" SHALL BE MAINTAINED ON SIDEWALK TO COMPLY WITH THE AMERICANS WITH DISABILITIES ACT.
2. FOUNDATION CAP SHALL BE CONCRETE OR GROUT AS DESIGNATED BY THE ENTITY ENGINEER.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA	
501	PORTLAND CEMENT CONCRETE	LIGHTING STANDARD SETBACK	
623	TRAFFIC SIGNALS & STREETLIGHTING		
		DATE 7-8-04	DWG. NO. 320 PAGE NO. 80

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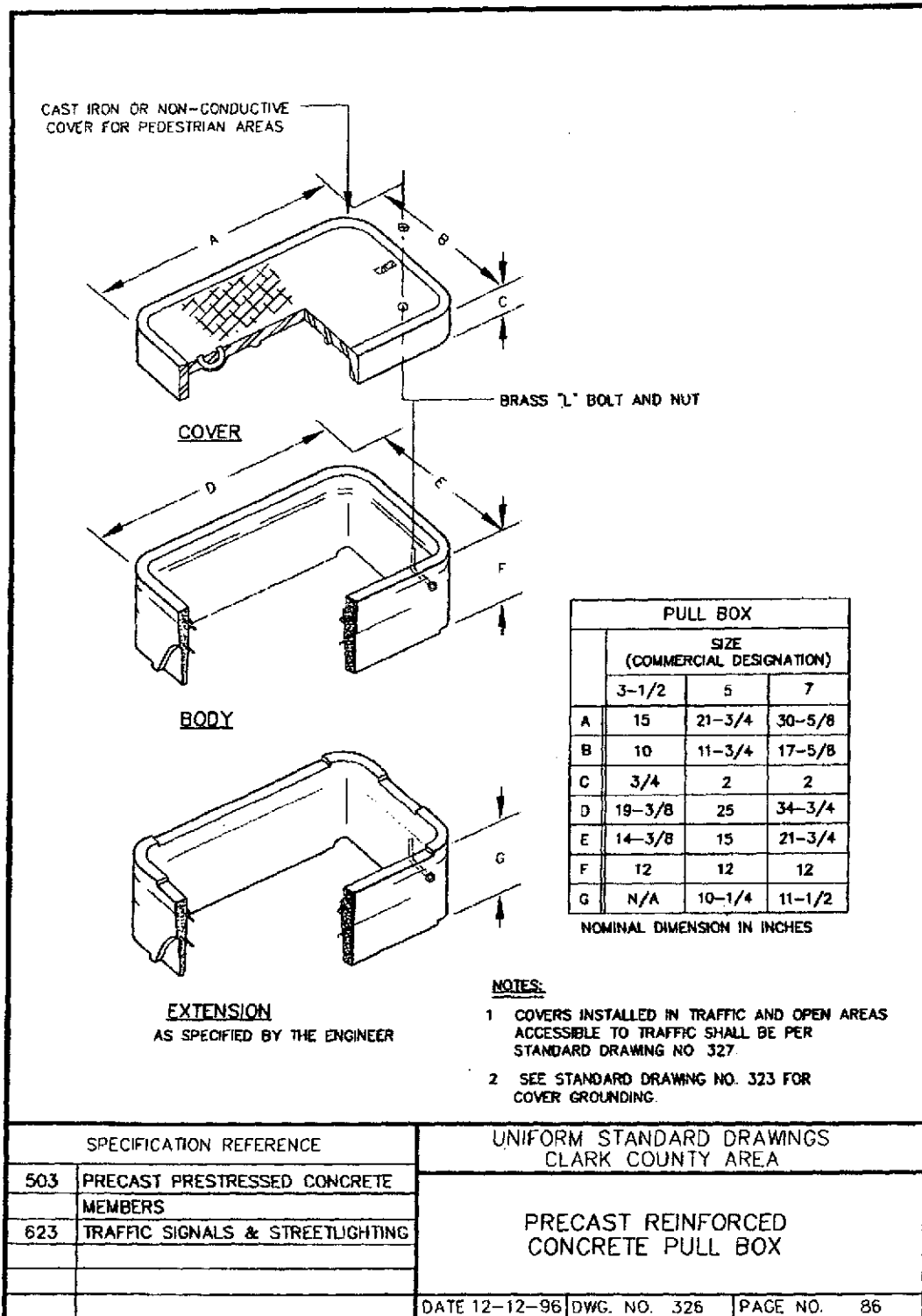
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SCALE: NOT TO SCALE

FIGURE IV-C

DATE: 20 DEC 2005
REV:

CL01742



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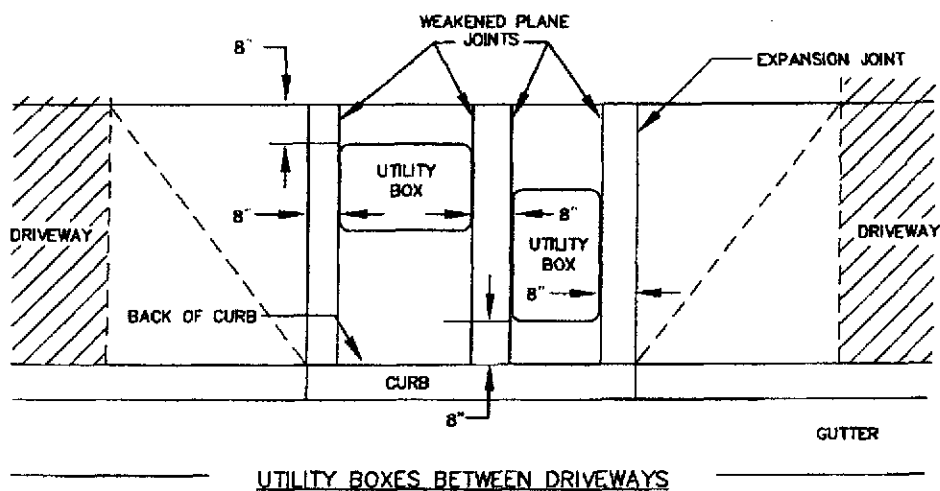
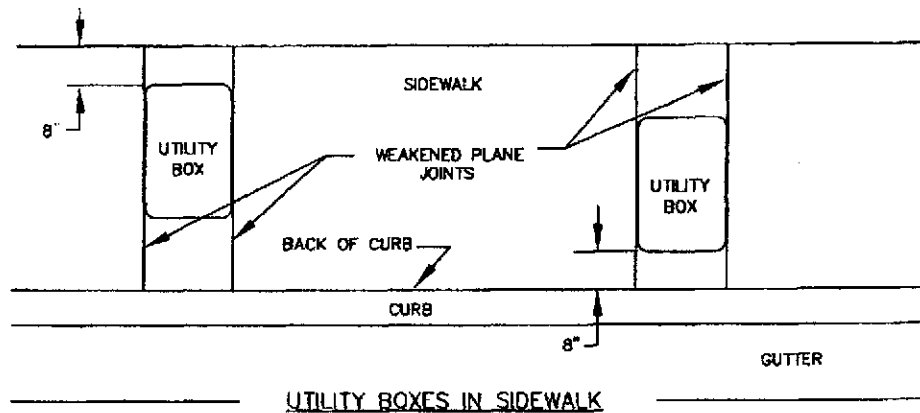
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SCALE: NOT TO SCALE

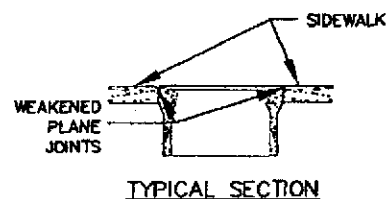
FIGURE IV-D

DATE: 20 DEC 2005
REV: _____

CL01743

**NOTE:**

PROVIDE A MINIMUM OF 8" AROUND ALL BOXES.
 ANY BOX SHALL NOT BE PLACED WITHIN 3'-3" OF
 FIRE HYDRANTS IN DRIVEWAYS OR DRIVEWAY APRONS.
 THIS DRAWING IS NOT INTENDED TO LIMIT THE NUMBER
 OF BOXES BETWEEN DRIVEWAYS TO TWO



SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA	
505	REINFORCING STEEL	UTILITY PULL BOX LOCATIONS SIDEWALK AND BETWEEN DRIVEWAYS	
623	TRAFFIC SIGNALS & STREETLIGHTING		
		DATE 12-12-96	DWG. NO. 328 PAGE NO. 88

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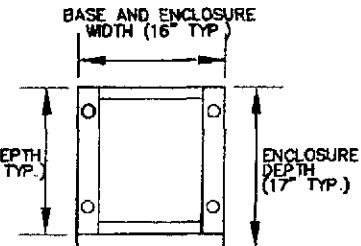
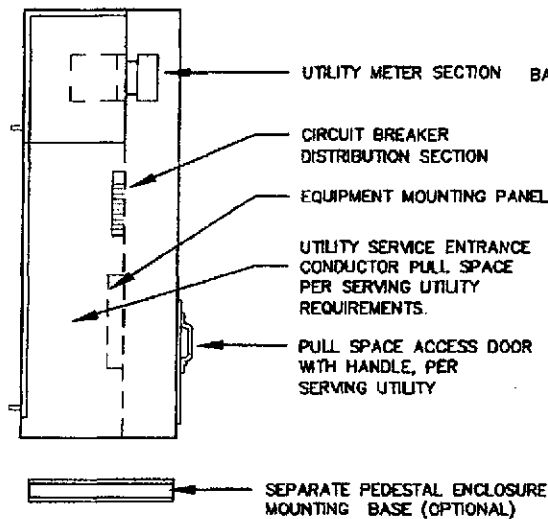
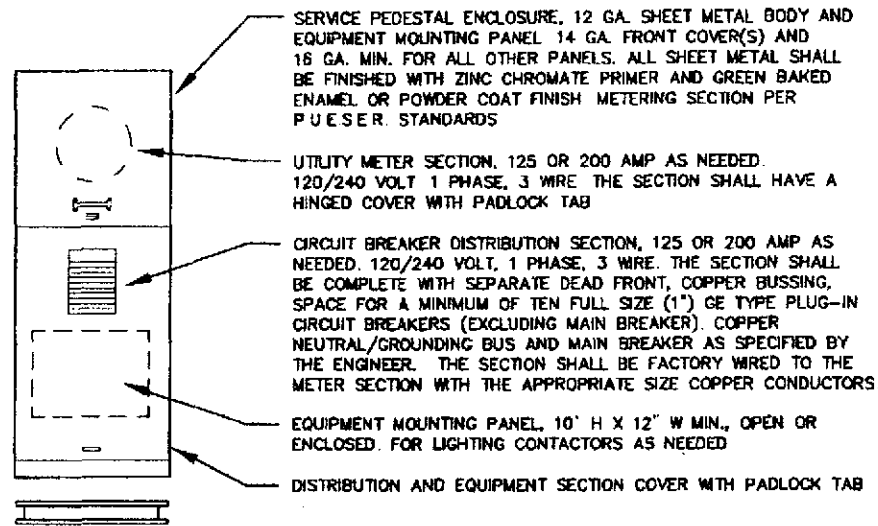
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FIGURE IV-E

DATE: 20 DEC 2005
 REV:

CL01744



TYPICAL MOUNTING
BASE DETAIL
(DIMENSIONS MAY VARY DEPENDING
ON MANUFACTURER)

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA	
506	STEEL STRUCTURES	SINGLE METER SERVICE PEDESTAL	
623	TRAFFIC SIGNALS & STREETLIGHTING		
		DATE 8-12-99	DWG. NO. 330 PAGE NO. 90

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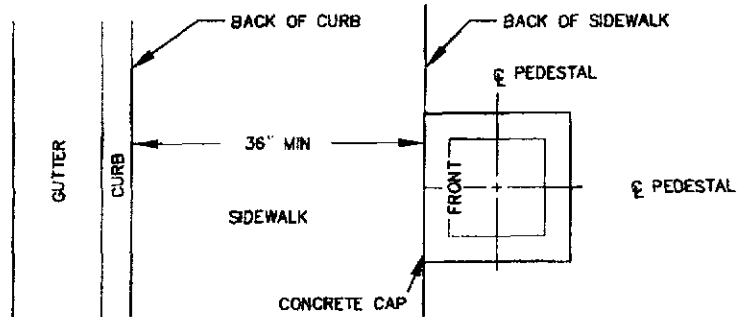
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SCALE: NOT TO SCALE

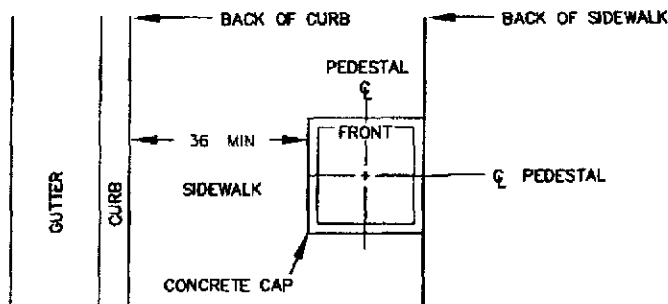
FIGURE IV-F

DATE: 20 DEC 2005
REV:

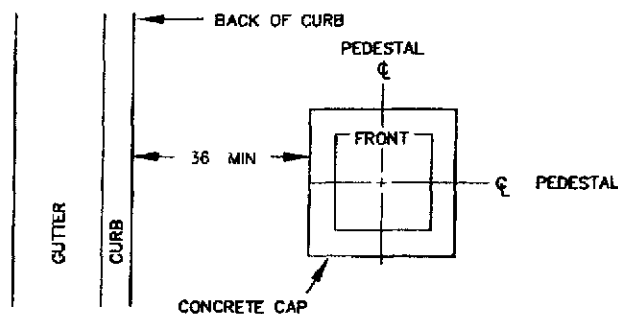
CL01745



BEHIND SIDEWALK (FOR WIDTHS LESS THAN 5 FT.)



BACK PORTION OF SIDEWALK (FOR WIDTHS OF 5 FT. OR GREATER)



OPEN AREA

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA	
501	PORTLAND CEMENT CONCRETE	SERVICE PEDESTAL SETBACK	
623	TRAFFIC SIGNALS & STREET LIGHTING		
		DATE 12-12-96	DWG. NO. 331 PAGE NO. 91

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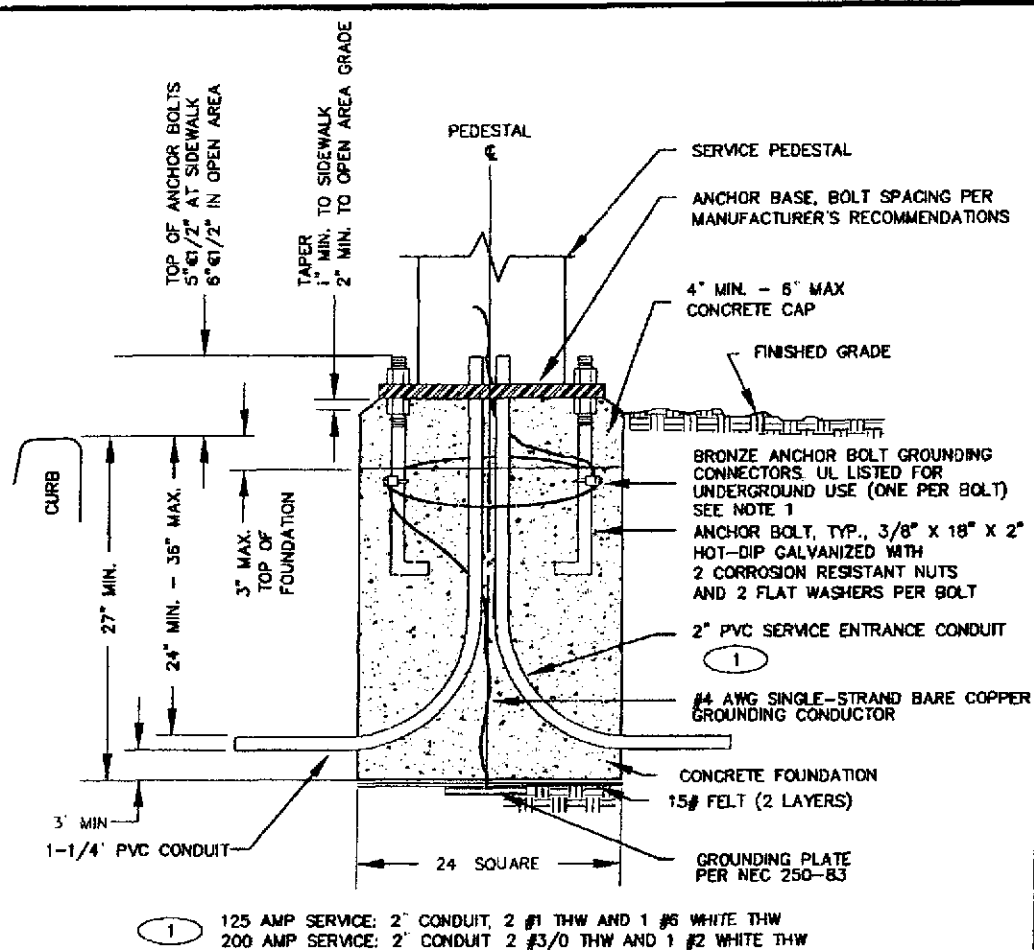
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FIGURE IV-G

DATE: 20 DEC 2005
REV:

CL01746

**NOTES:**

- 1 BARE COPPER GROUNDING CONDUCTOR SHALL BE LOOPED AROUND ANCHOR BOLTS ONE TIME AND CONNECTED TO EACH ANCHOR BOLT BEFORE CONTINUING DOWN TO THE GROUNDING PLATE.
- 2 CABINET COVERS SHALL BE PARALLEL WITH CURB
- 3 IN AREAS WHERE R/W PERMITS, THE CONCRETE BASE SHALL BE PLACED AT THE BACK EDGE OF THE SIDEWALK.
- 4 CABINET COVERS SHALL OPEN TOWARDS THE STREET WHEN CABINETS ARE LOCATED AT BACK OF WALK. CABINET COVERS SHALL OPEN PARALLEL TO THE SIDEWALK FACING THE DIRECTION OF TRAFFIC WHEN LOCATED WITHIN THE SIDEWALK.
- 5 WIRE SIZES ARE BASED ON UNDERGROUND FEED
- 6 WIRE SIZES SHALL BE INCREASED FOR VOLTAGE DROP LIMITATION WHEN RUN IS LONG

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA	
501	PORTLAND CEMENT CONCRETE	SERVICE PEDESTAL FOUNDATION (EXCEPT CLARK COUNTY AND CITY OF LAS VEGAS)	
623	TRAFFIC SIGNALS & STREETLIGHTING		
		DATE 2-10-00	DWG. NO. 332
		PAGE NO. 92	

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FIGURE IV-H

DATE: 20 DEC 2005
REV:

CL01747



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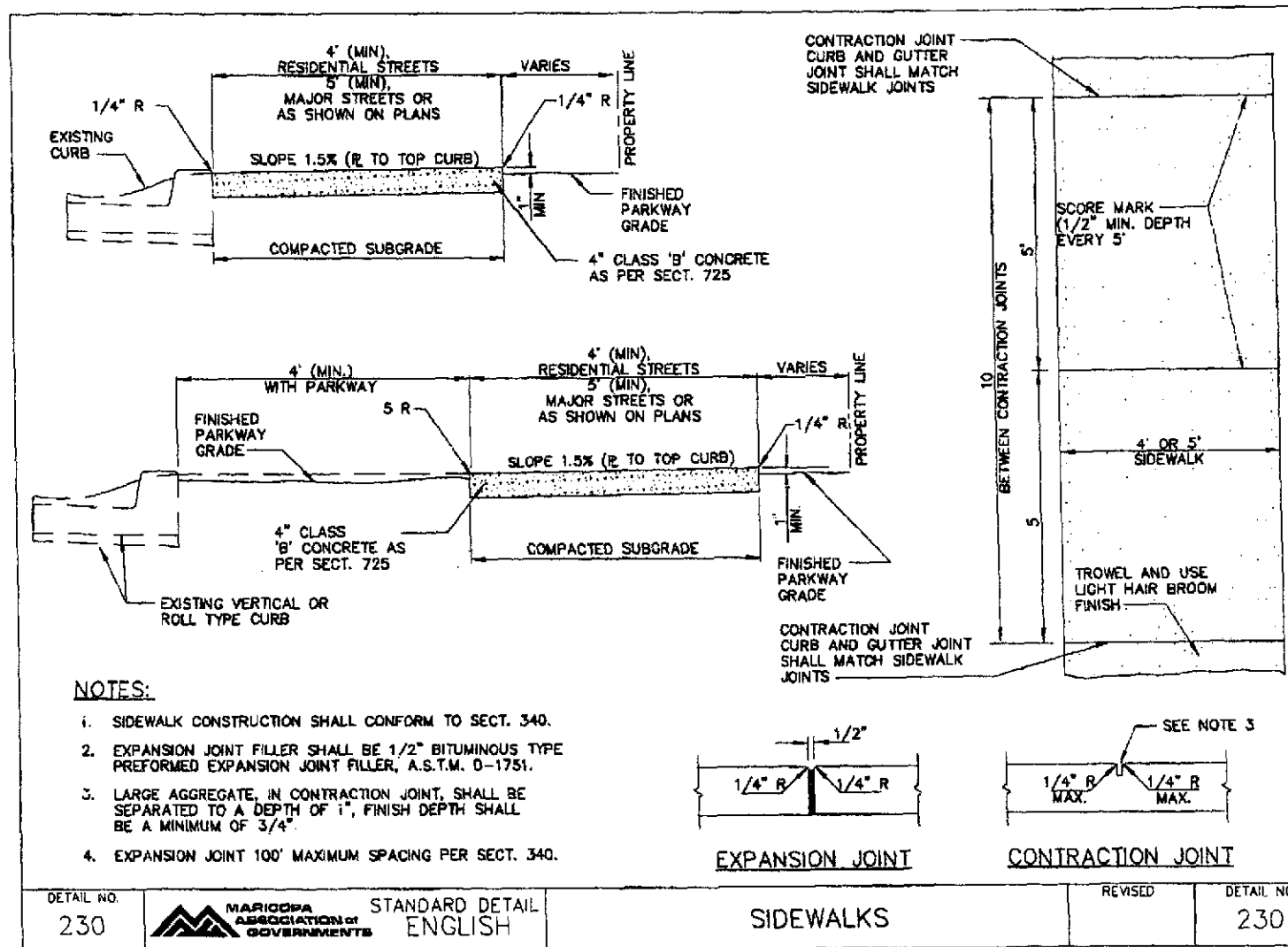
RHODES HOMES ARIZONA, LLC **GOLDEN VALLEY RANCH**

SCALE: NOT TO SCALE

FIGURE V-A-1

DATE: 20 DEC 2005
REV:

CL01748





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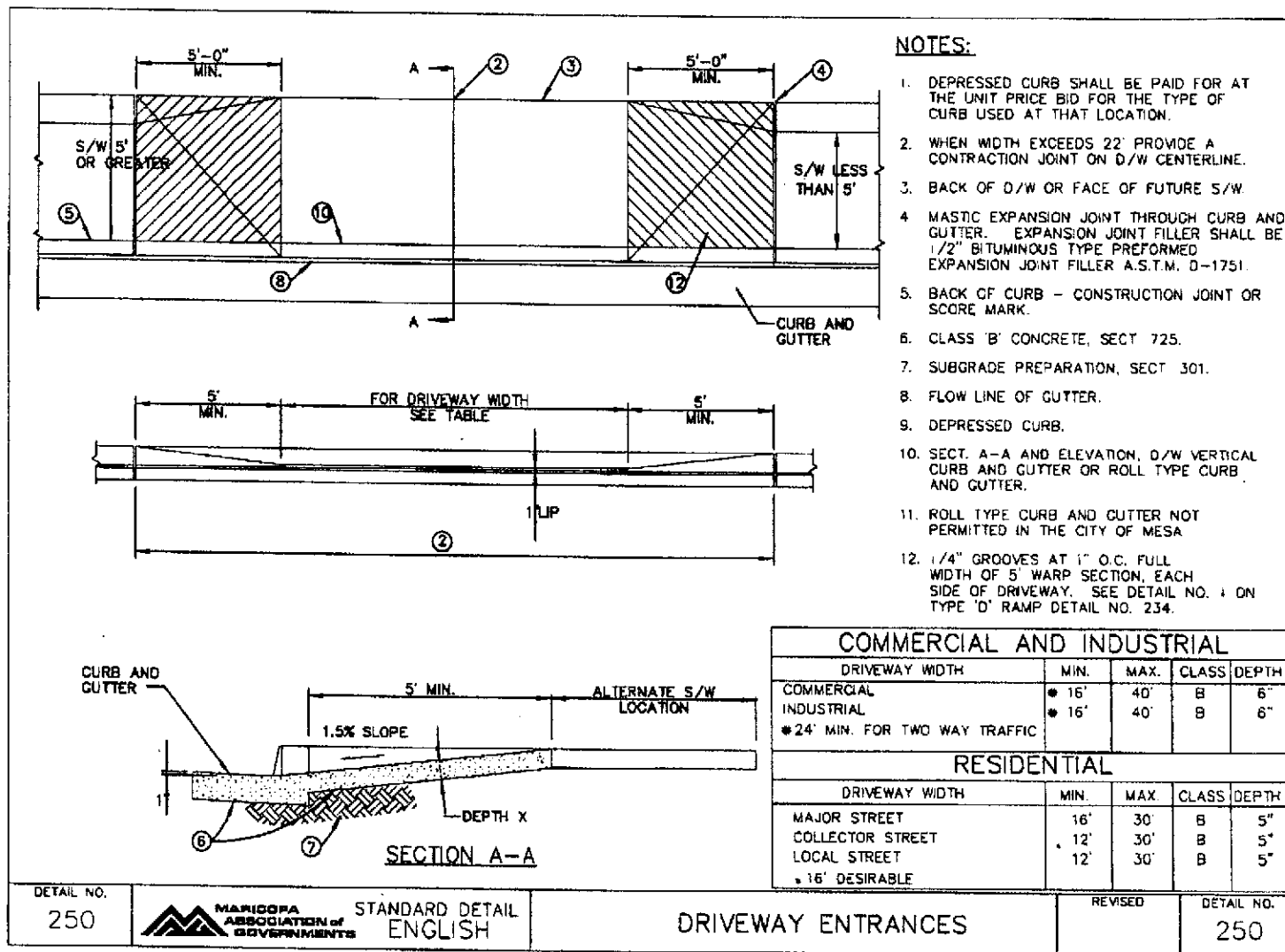
RHODES HOMES ARIZONA, LLC
GOLDEN VALLEY RANCH

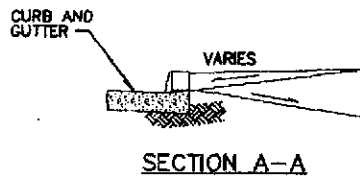
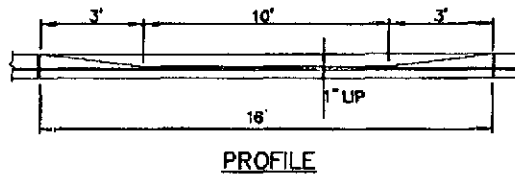
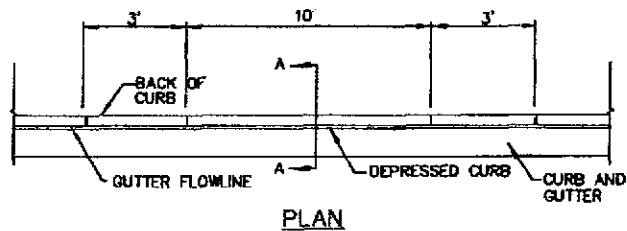
SCALE: NOT TO SCALE

FIGURE V-A-2

DATE: 20 DEC 2005
REV:

CL01749





CURB CUT FOR DRAINAGE
NTS

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FIGURE V-B

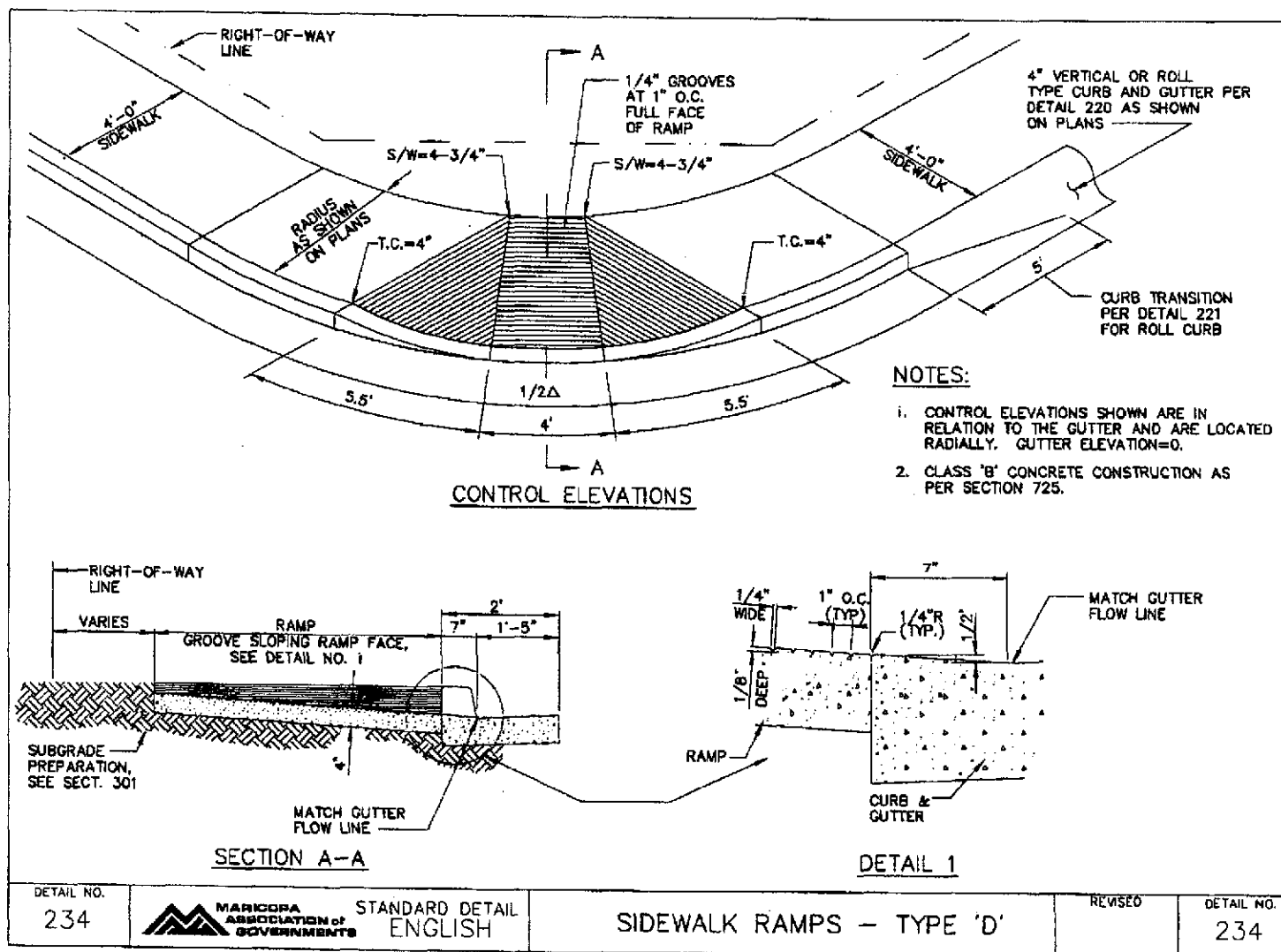
DATE: 20 DEC 2005
REV:

CL01750

**RHODES HOMES ARIZONA, LLC
GOLDEN VALLEY RANCH**

FIGURE V-C

CL01751





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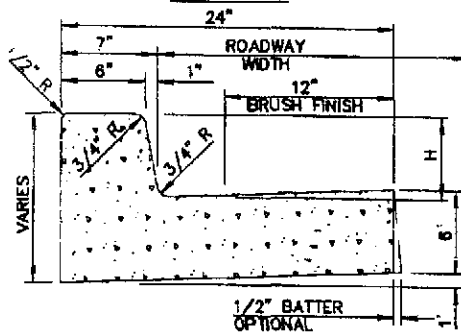
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FIGURE V-D-1

SCALE: NOT TO SCALE

DATE: 20 DEC 2005
REV:

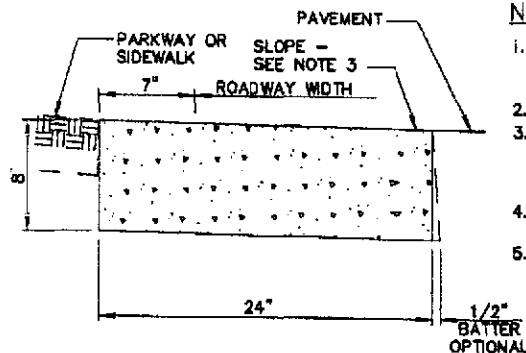
VERTICAL CURB AND GUTTER (TYPE A)



NOTES: (TYPE A)

1. ALL EXPOSED SURFACES TO BE TROWEL FINISHED EXCEPT AS SHOWN. SEE SECT. 340.
2. H=6" OR AS SPECIFIED ON PLANS.
3. CONTRACTION JOINT SPACING 10' MAXIMUM.
4. EXPANSION JOINTS AS PER SECT. 340.
5. CLASS 'B' CONCRETE PER 725.

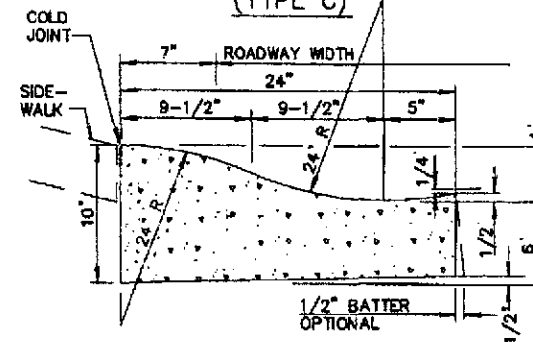
RIBBON CURB (TYPE B)



NOTES: (TYPE B)

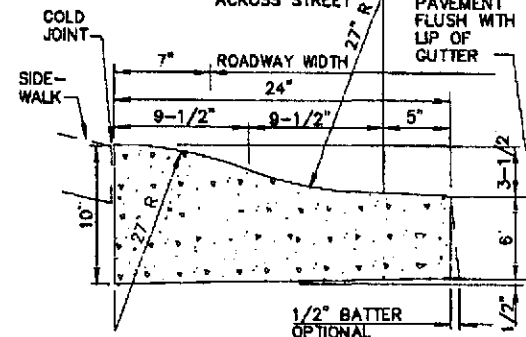
1. CONSTRUCT CURB AND INSTALL 1/2" MASTIC EXPANSION JOINTS, A.S.T.M. D-1751, SECT. 340.
2. BROOM FINISH ALL SURFACES.
3. RIBBON CURB MAY SLOPE TOWARDS PAVEMENT OR PARKWAY AS INDICATED ON PLANS.
4. CONTRACTION JOINT SPACING 10' MAXIMUM.
5. CONCRETE SHALL BE CLASS 'B' PER SECT. 725 AND INSTALLED PER SECT. 505.

ROLL CURB AND GUTTER (TYPE C)



(TYPE D)

SPECIAL SECT. USE FOR HIGH SIDE CURB WITH SHEET DRAINAGE ACROSS STREET



NOTES: (C & D)

1. ALL WORK AND MATERIALS SHALL CONFORM TO SECT. 304, 505 AND 725. BROOM FINISH TO EXPOSED SURFACE.
2. CONTRACTION JOINT SPACING 10' MAXIMUM.
3. EXPANSION JOINTS AS PER SECT. 340.
4. CLASS 'B' CONCRETE PER 725.

DETAIL NO.
220

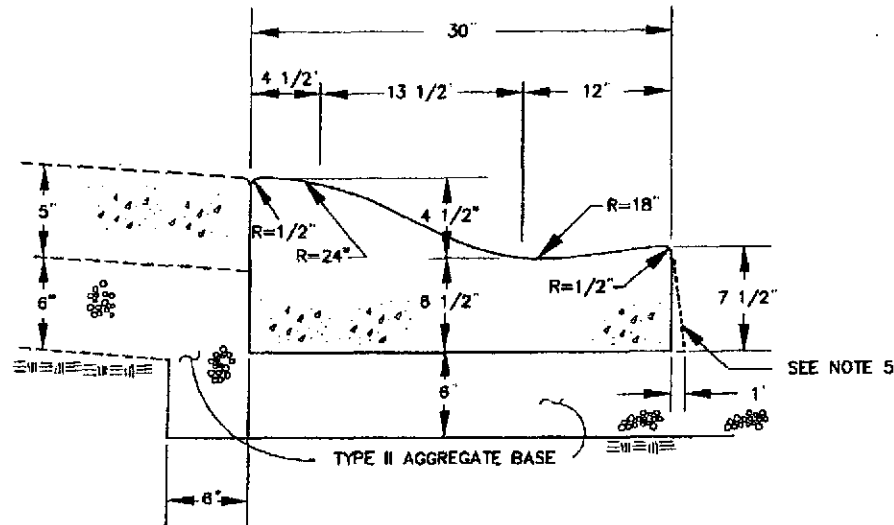


STANDARD DETAIL
ENGLISH

CURB AND GUTTER
TYPES A, B, C AND D

REVISED

DETAIL NO.
220

**NOTES:**

1. USE OF ROLL CURB MAY BE RESTRICTED BY SURFACE DRAINAGE CONSIDERATIONS.
2. SIDEWALK CONSTRUCTED CONTIGUOUS TO ROLL CURB SHALL BE 5 INCHES THICK (MIN).
3. WHERE LONGITUDINAL SLOPE IS LESS THAN 0.4% THE FLOW LINE SHALL BE WATER TESTED.
4. CONSTRUCT 1/2" EXPANSION JOINT AT ALL COLD JOINTS, AT BEGINNING AND END OF CURB RETURNS, AND AT 300 FT. MAX. INTERVALS FOR EXTRUDED CURB AND 30 FT. MAX. INTERVALS FOR FORMED CURB. WEAKENED PLANE JOINTS SHALL BE FORMED AT THE REMAINING 15 FT. INTERVALS. SEE STD. DWG. NO. 234 FOR JOINT DETAILS.
5. ONE INCH BATTER AT CURB FACE IS OPTIONAL.
6. CITY OF LAS VEGAS COUNCIL APPROVAL REQUIRED FOR USE OF 30" ROLL CURB IN THE CITY OF LAS VEGAS.
7. IN NORTH LAS VEGAS, ROLL CURBS ARE PROHIBITED IN AREAS WHERE FLOW LINE GRADIENT IS LESS THAN 0.8% UNLESS OTHERWISE APPROVED BY CITY ENGINEER.
8. ALL UTILITY BOXES AND COVERS ADJACENT TO ROLL CURB SHALL BE HS-20 RATED "TRAFFIC BEARING" TYPE.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
320	AGGREGATE BASE	CLARK COUNTY LAS VEGAS, NORTH LAS VEGAS AND HENDERSON ONLY 30" ROLL CURB RESIDENTIAL AREA		
501	CONCRETE			
502	CONCRETE STRUCTURES			
707	JOINT MATERIAL			
		DATE 11-10-04	DWG NO 217A	PAGE NO 23A

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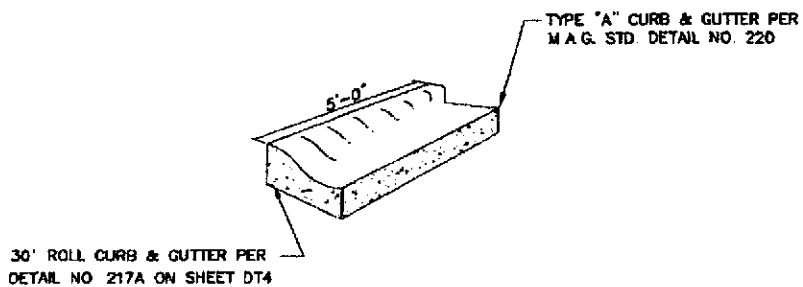
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FIGURE V-D-2

DATE: 20 DEC 2005
REV:

CL01753



**TRANSITION FROM TYPE "A" CURB
TO ROLL CURB AND GUTTER**
NTS

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FIGURE V-D-3

DATE: 20 DEC 2005
REV:

CL01754

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FIGURE V-D-4

DATE: 20 DEC 2005
REV:

SCALE: NOT TO SCALE

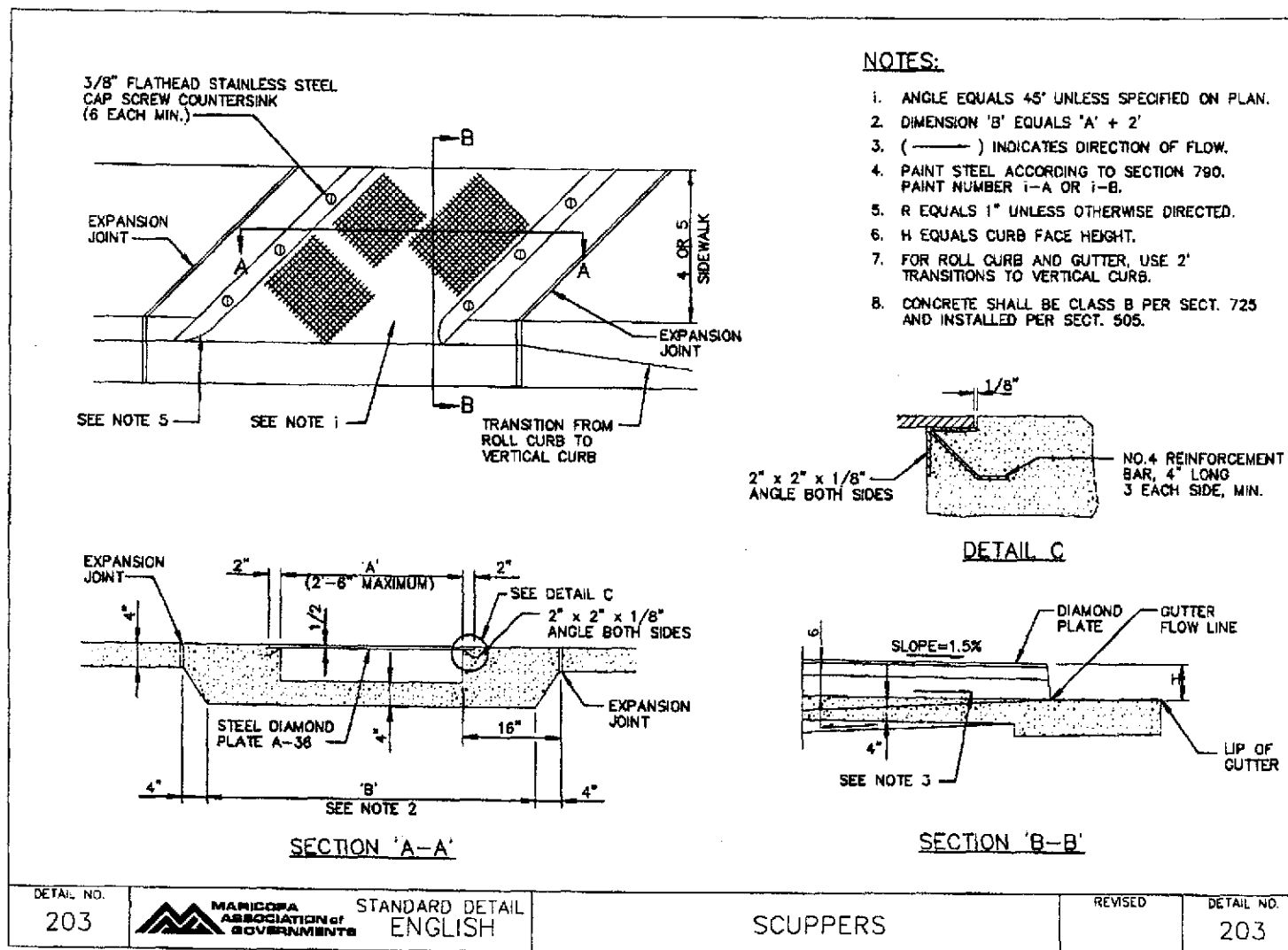
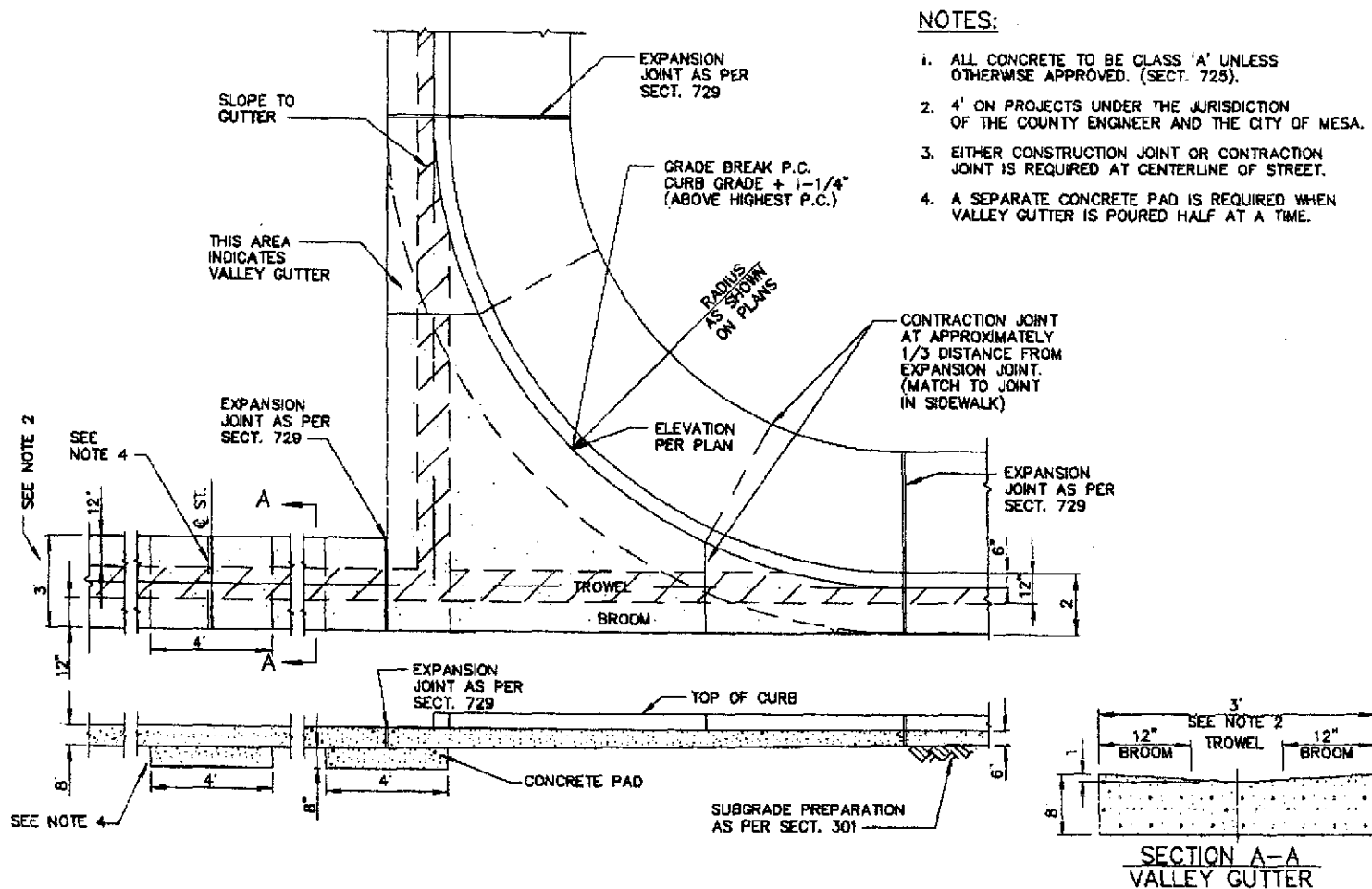


FIGURE VI

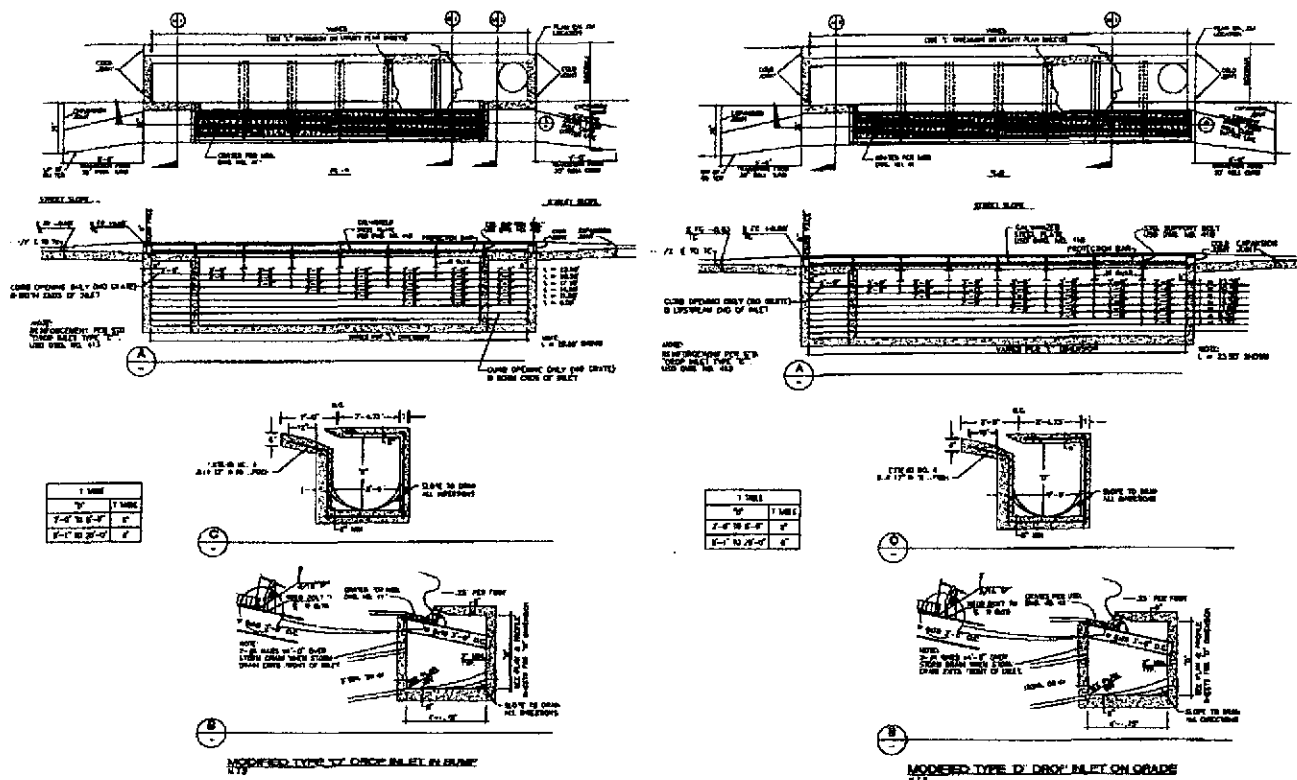
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GOLDEN VALLEY RANCH**



DETAIL NO. 240	 MARIKOPA ASSOCIATION of GOVERNMENTS	STANDARD DETAIL ENGLISH	VALLEY GUTTER	REVISED	DETAIL NO. 240
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CL01756



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FIGURE VII-A

DATE: 20 DEC 2005
REV:

CL01757



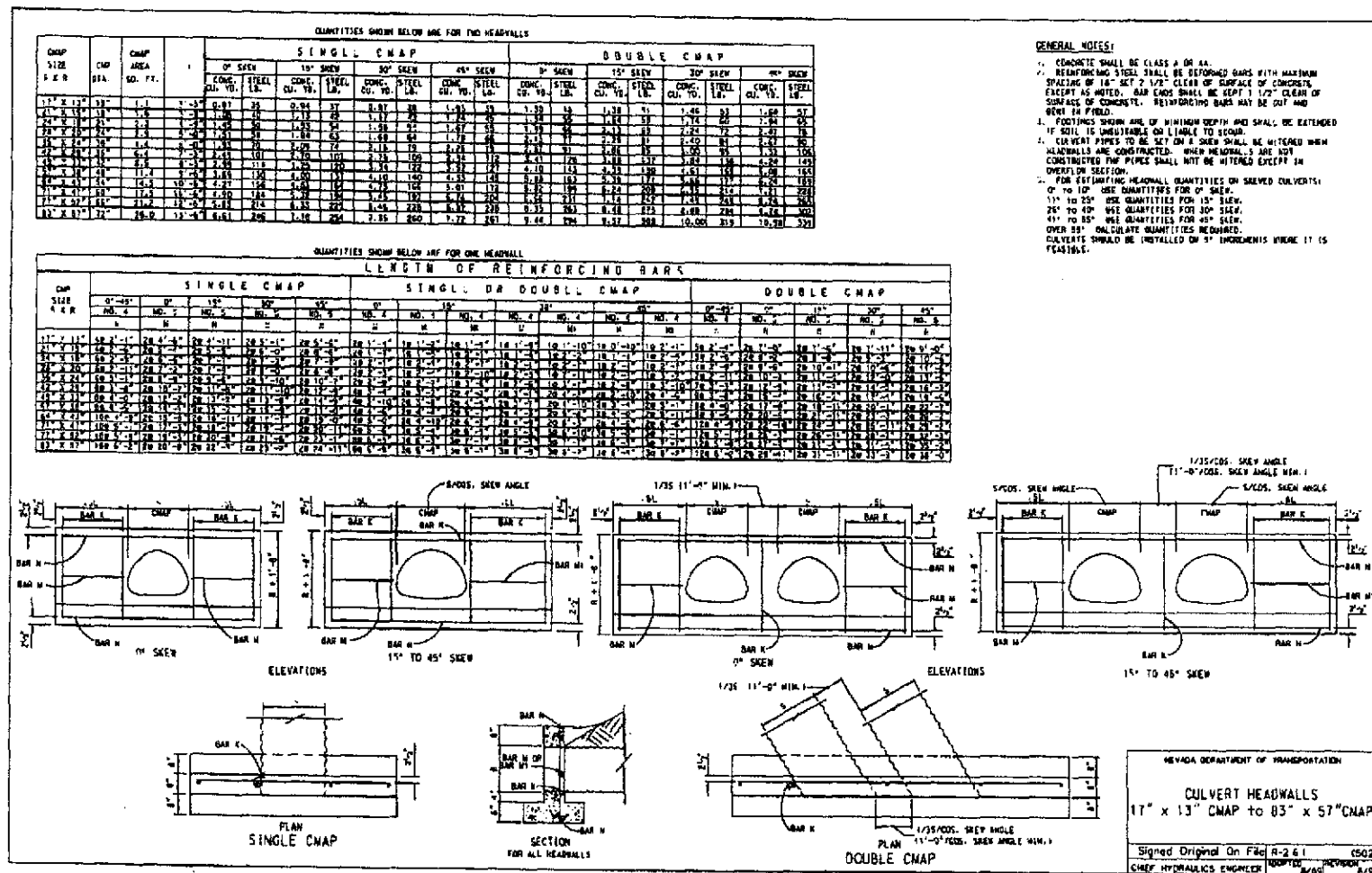
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RHODES HOMES ARIZONA, LLC GOLDEN VALLEY RANCH

SCALE: NOT TO SCALE

FIGURE VII-B

DATE: 20 DEC 2005
REV:





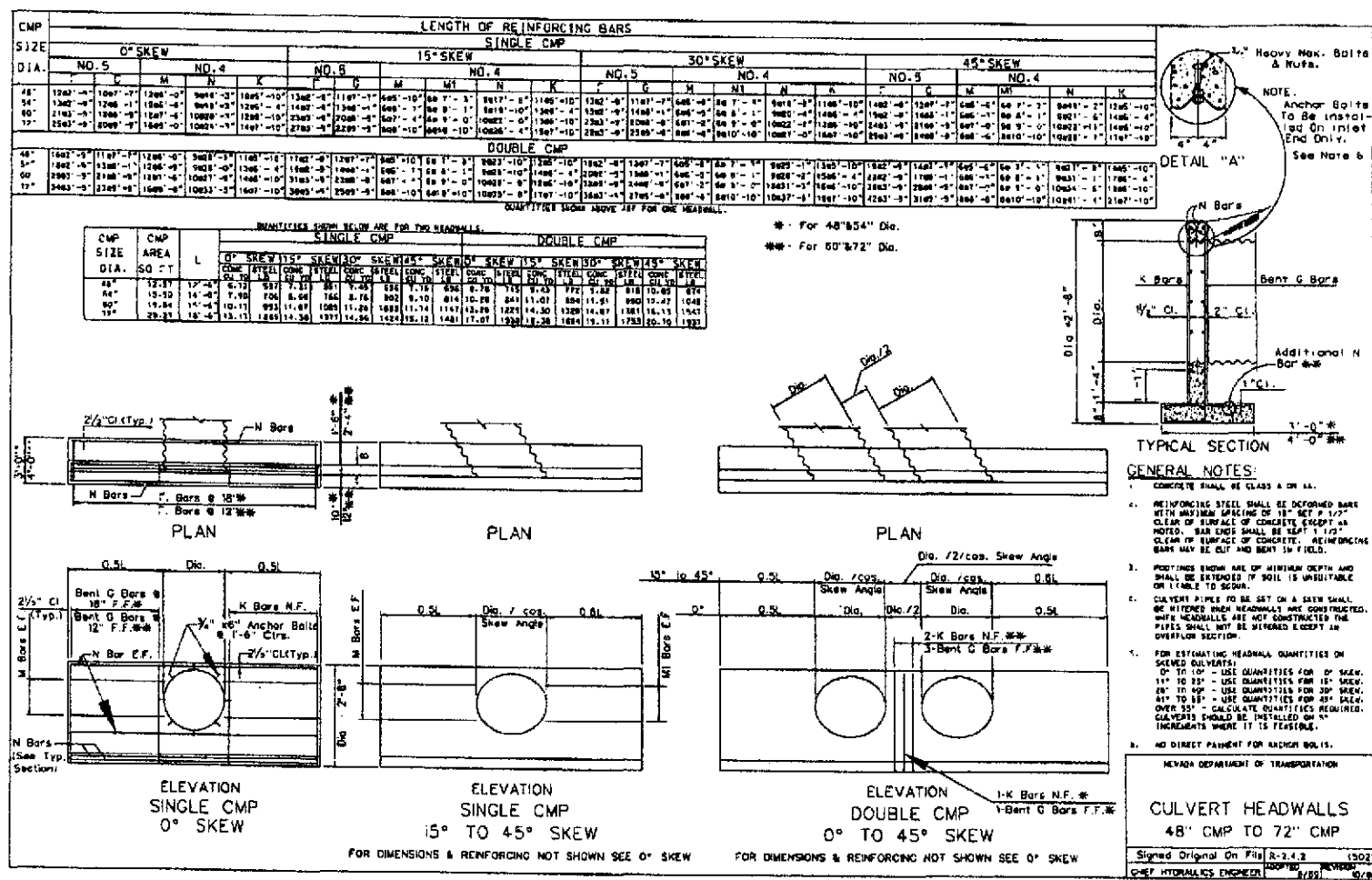
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RHODES HOMES ARIZONA, LLC GOLDEN VALLEY RANCH

SCALE: NOT TO SCALE

FIGURE VII-C

DATE: 20 DEC 2005
REV:



CL01759



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RHODES HOMES ARIZONA, LLC **GOLDEN VALLEY RANCH**

SCALE: NOT TO SCALE

FIGURE VII-D

DATE: 20 DEC 2005
REV:

		CUBIC YARDS OF CONCRETE AND POUNDS OF REINFORCING FOR TWO TYPE I HEADWALLS ①																							
SPAN	HEIGHT	SINGLE BOX								DOUBLE BOX								TRIPLE BOX							
		0° SKEW		15° SKEW		30° SKEW		45° SKEW		0° SKEW		15° SKEW		30° SKEW		45° SKEW		0° SKEW		15° SKEW		30° SKEW		45° SKEW	
		CONC.	REINF.	CONC.	REINF.	CONC.	REINF.	CONC.	REINF.	CONC.	REINF.	CONC.	REINF.	CONC.	REINF.	CONC.	REINF.	CONC.	REINF.	CONC.	REINF.	CONC.	REINF.	CONC.	REINF.
1	4	5.6	393	6.4	476	7.2	583	8.8	733	7.7	508	8.5	597	9.8	700	11.6	910								
1	5	7.6	609	8.0	644	9.8	774	11.6	946	9.7	725	10.1	767	12.0	812	14.6	1119	11.6	842	12.3	886	14.4	1045	17.6	1280
1	6	9.6	705	10.2	782	11.8	942	15.0	1234	11.7	826	17.4	908	14.3	1085	16.0	1414	13.9	944	14.6	1030	16.8	1220	21.0	1574
1	7	6.0	418	8.8	504	7.6	595	4.4	775	8.3	600	9.2	639	10.3	817	12.7	1062								
1	8	7.9	637	0.3	673	10.0	807	12.1	988	10.3	821	10.8	869	17.7	1032	15.5	1270	12.6	1004	13.2	1058	15.1	1243	18.8	1526
1	9	9.9	730	10.6	809	12.2	974	15.2	1278	12.3	917	15.0	1009	15.0	1263	18.8	1548	14.7	1103	18.9	1192	17.7	1411	22.1	1823
1	10	12.4	983	12.6	1106	15.5	1505	20.4	2186	14.6	1173	15.0	1310	16.3	1740	23.7	2448	17.7	1361	17.5	1502	21.0	1951	27.1	2708
2	4	6.3	442	7.1	532	6.0	626	9.3	620																
2	5	8.3	665	8.7	702	10.4	839	12.6	1025																
2	6	10.3	756	10.9	837	12.6	1006	15.5	1519																
2	7	12.8	1011	12.8	1137	15.9	1544	20.8	2209																
2	8	15.6	1432	16.3	1637	20.2	2195	27.0	3161																
3	4	6.7	467	7.5	559	8.4	658	10.4	861	7.8	617	10.7	1064	11.8	1109	14.9	1264								
3	5	8.6	693	9.1	731	10.8	872	13.1	1085	11.8	1049	12.3	1078	14.3	1258	17.3	1475	14.9	1320	15.5	1365	17.8	1659	21.4	1858
3	6	10.6	782	11.7	864	13.0	1058	16.4	1360	13.8	1137	14.5	1216	16.6	1405	20.6	1773	17.0	1414	17.8	1501	20.3	1720	25.0	2158
3	7	11.1	1039	13.3	1159	16.3	1583	21.3	2261	16.4	1401	16.6	1525	19.9	1958	25.6	2676	19.6	1677	19.9	1814	23.6	2276	29.9	3065
3	8	16.0	1464	18.7	1673	20.6	2242	27.5	3219	18.2	1824	21.0	2133	24.3	2620	31.8	3637	22.5	2107	24.4	2428	28.0	2948	38.1	4029
3	9	17.9	1904	20.2	2234	24.7	2776	35.1	3938	21.7	2261	25.6	2952	27.8	3051	39.5	4559	24.5	2562	27.0	2850	31.1	3381	43.9	4793
3	10	17.3	515	8.2	612	9.2	721	11.4	942	11.7	1111	12.2	1227	13.6	1383	16.8	1734								
4	4	9.3	744	9.8	789	11.6	936	14.1	1144	13.2	1346	15.8	1556	16.1	1608	19.6	1939								
4	5	11.3	873	12.0	920	13.8	1101	17.4	1441	15.2	1434	16.1	1537	18.4	1770	23.0	2239	19.2	1876	20.1	1985	22.8	2274	28.5	2897
4	6	13.4	1093	14.0	1283	17.1	1461	22.3	2365	17.8	1697	18.1	1775	21.7	2187	28.0	3165	21.8	2141	22.2	2219	26.3	2664	33.6	3786
4	7	14.6	1318	17.4	1745	21.4	2328	29.4	3334	20.7	2135	21.6	2359	26.1	3008	34.1	4171	24.7	2582	25.8	2821	30.7	3519	39.8	4761
4	8	18.6	1976	20.9	2314	25.0	2870	34.1	4054	22.7	2581	25.2	2935	29.7	3344	39.9	4860	26.8	3037	29.4	3399	34.4	4057	45.6	5484
4	9	23.2	2117	23.1	2482	31.1	3244	41.4	4581																
4	10	29.6	3352	31.6	3758	38.4	4397	51.7	5882	33.7	3967	36.0	4217	43.5	5077	57.6	6703	37.8	4422	40.3	4688	48.3	5598	63.5	7335
5	4	10.0	904	10.5	848	12.4	1001	15.1	1224	14.6	1132	15.2	1306	17.6	2090	21.5	2449								
5	5	12.0	884	12.7	975	14.6	1165	18.4	1522	16.8	1515	17.5	1941	20.0	2247	24.8	2849								
5	6	15.5	1148	14.7	1296	17.7	1738	23.3	2489	19.2	2096	19.8	2244	23.3	2817	29.9	3799	23.9	2744	24.4	2822	28.7	3576	36.5	4733
5	7	17.7	1291	18.1	1617	22.2	2418	29.4	3449	22.1	2531	23.0	2775	27.7	3497	36.1	4782	26.8	3195	27.9	3460	33.1	4261	42.8	5719
5	8	18.3	1945	21.8	2404	29.8	2962	35.1	4171	23.1	2684	26.7	3396	31.3	4048	41.8	5506	27.8	3554	31.5	4094	36.8	4830	48.8	6446
5	9	23.9	2181	26.1	2553	31.9	3327	47.4	4704	28.7	3123	31.1	3522	37.5	4418	49.2	6042	33.9	3798	38.1	4278	43.0	5191	58.1	6984
5	10	30.2	3429	32.3	3680	39.4	4488	52.7	6003	35.0	4373	37.4	4646	46.1	5580	59.6	7144	39.8	5049	42.4	5341	50.7	6353	66.5	8289
5	11	42.6	5131	47.7	5372	56.4	6076	80.1	8124	47.8	6087	52.3	6340	62.2	7141	87.2	9470	62.1	6768	57.5	7045	67.9	7930	94.7	10,420

① - QUANTITIES SHOWN ARE FOR HEADWALLS AT THE INLET AND OUTLET

NEVADA DEPARTMENT OF TRANSPORTATION

ESTIMATE OF QUANTITIES **TYPE I HEADWALLS**

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CHIEF ENGINEER (770) 3/97

CL01760



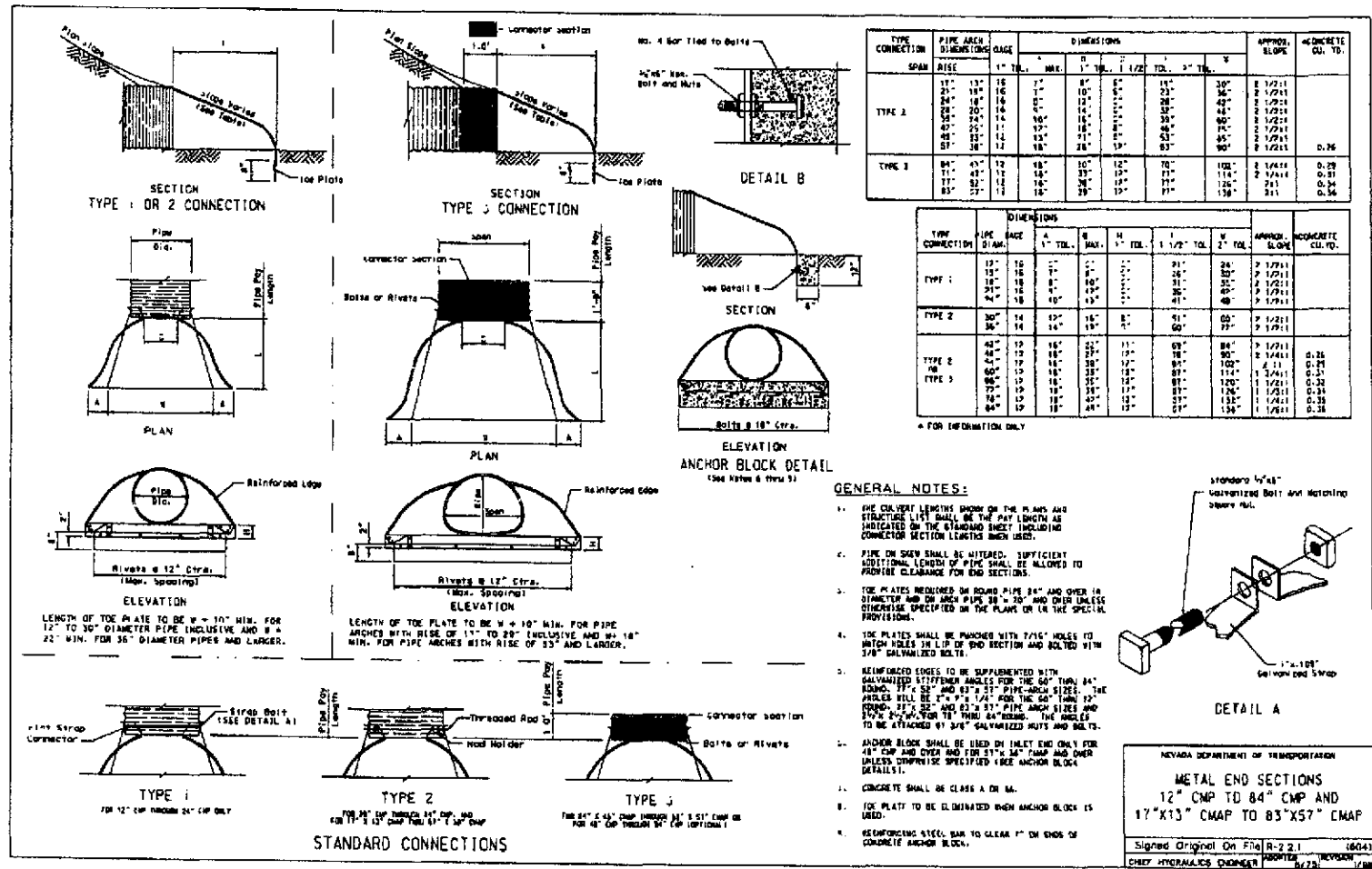
Stanley Consultants Inc.
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LAS VEGAS, NEVADA 89119
(702) 369-9396 Fax (702) 369-9793

RHODES HOMES ARIZONA, LLC **GOLDEN VALLEY RANCH**

SCALE: NOT TO SCALE

FIGURE VII-E

DATE: 20 DEC 2005
REV.



CL01761



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RHODES HOMES ARIZONA, LLC GOLDEN VALLEY RANCH

SCALE: NOT TO SCALE

FIGURE VII-F

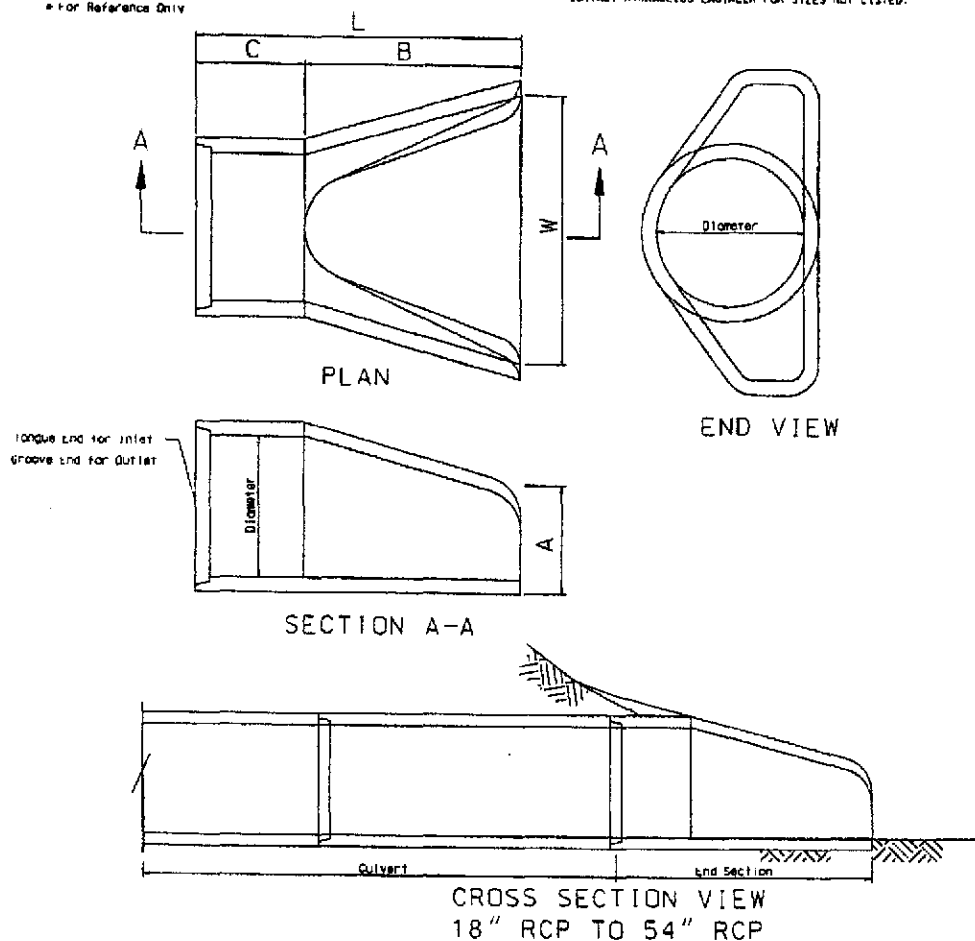
DATE: 20 DEC 2005
REV:

DIAMETER	WEIGHT	A	B	C	L	W
18"	670	9"	2'-1"	2'-1"	1'-2"	1'-0"
24"	1300	9 1/2"	2'-3"	2'-3"	6'-0"	2'-3"
30"	1850	1'-0"	2'-6"	2'-6"	8'-0"	2'-6"
36"	2600	1'-3"	2'-9"	2'-9"	8'-0"	2'-9"
42"	3500	1'-6"	2'-11"	2'-11"	8'-0"	3'-0"
48"	4500	2'-0"	3'-0"	3'-0"	8'-0"	3'-0"
54"	7150	2'-4"	3'-4"	3'-4"	8'-0"	3'-10"

* For Reference Only

GENERAL NOTES:

1. CLASS AND TYPE OF CONCRETE SHALL BE AS SPECIFIED FOR REINFORCED CONCRETE PIPE.
2. STRUCTURAL DESIGN OF END SECTION SHALL CONFORM TO THAT OF STANDARD REINFORCED CONCRETE CULVERT PIPE.
3. LENGTH OF PIPE SHOWN ON THE DESIGN PLANS DOES NOT INCLUDE CONNECTOR SECTION (LENGTH C).
4. CONTACT HYDRAULICS ENGINEER FOR SIZES NOT LISTED.



NEVADA DEPARTMENT OF TRANSPORTATION

RCP END SECTION
18" RCP TO 54" RCP

Signed Original On File R-2.3.1 (603)
CHIEF HYDRAULICS ENGINEER 1/25/05 REVISION 12/04

CL01762



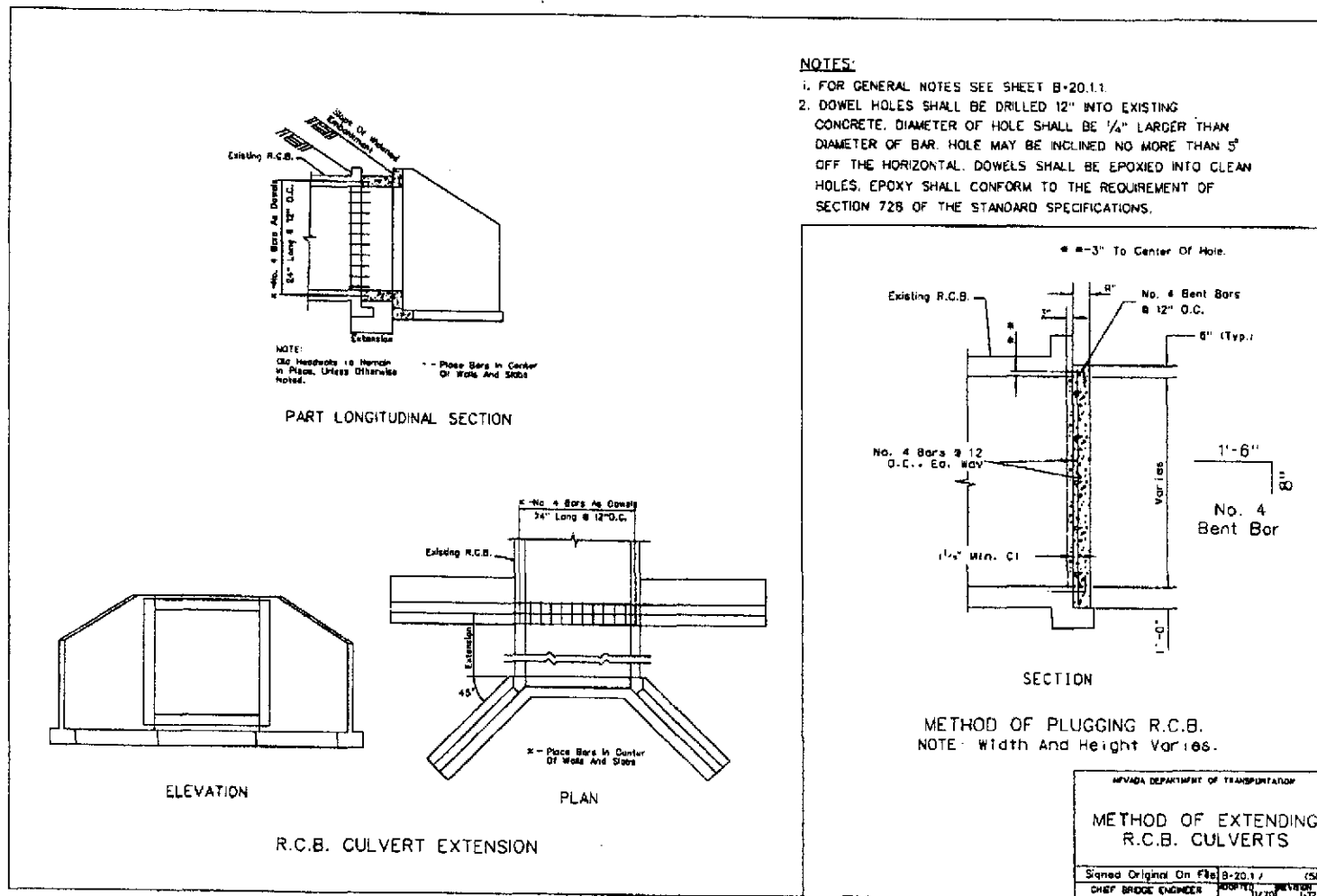
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**RHODES HOMES ARIZONA, LLC
 GOLDEN VALLEY RANCH**

SCALE: NOT TO SCALE

FIGURE VII-G

DATE: 20 DEC 2005
 REV:





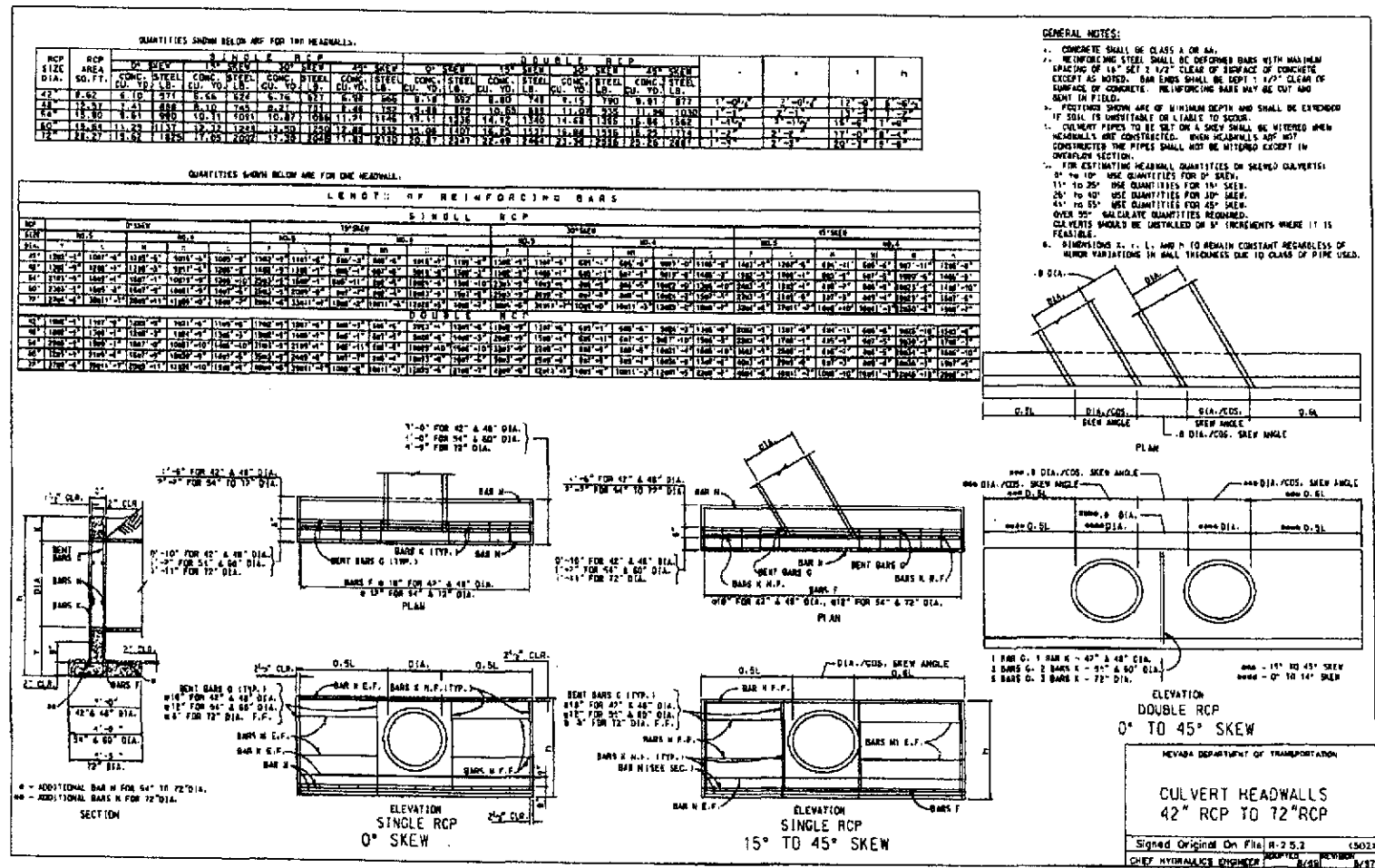
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RHODES HOMES ARIZONA, LLC GOLDEN VALLEY RANCH

SCALE: NOT TO SCALE

FIGURE VII-H

DATE: 20 DEC 2005
REV:



CL01764



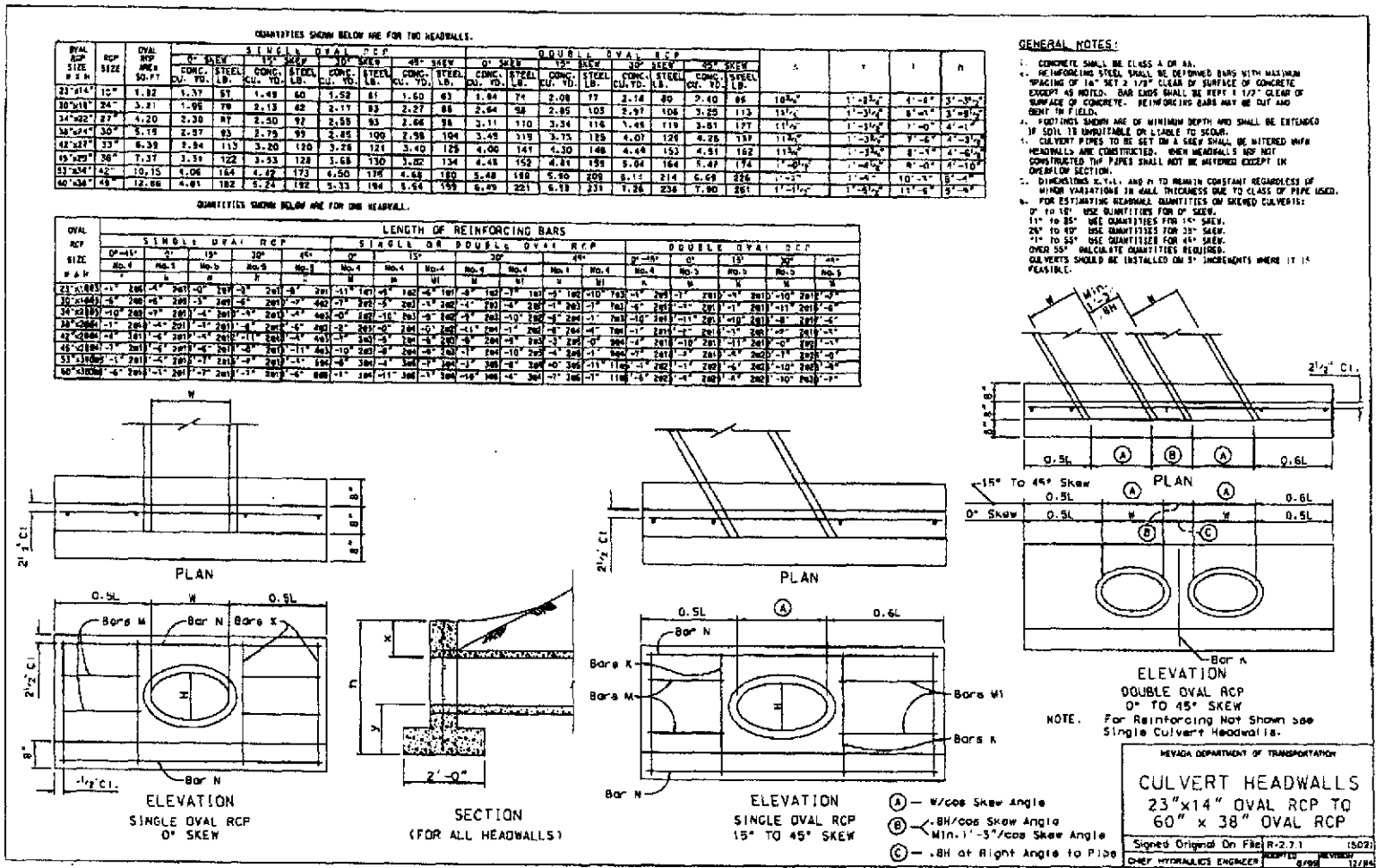
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RHODES HOMES ARIZONA, LLC **GOLDEN VALLEY RANCH**

SCALE: NOT TO SCALE

FIGURE VII-1

DATE: 20 DEC 2005
REV:





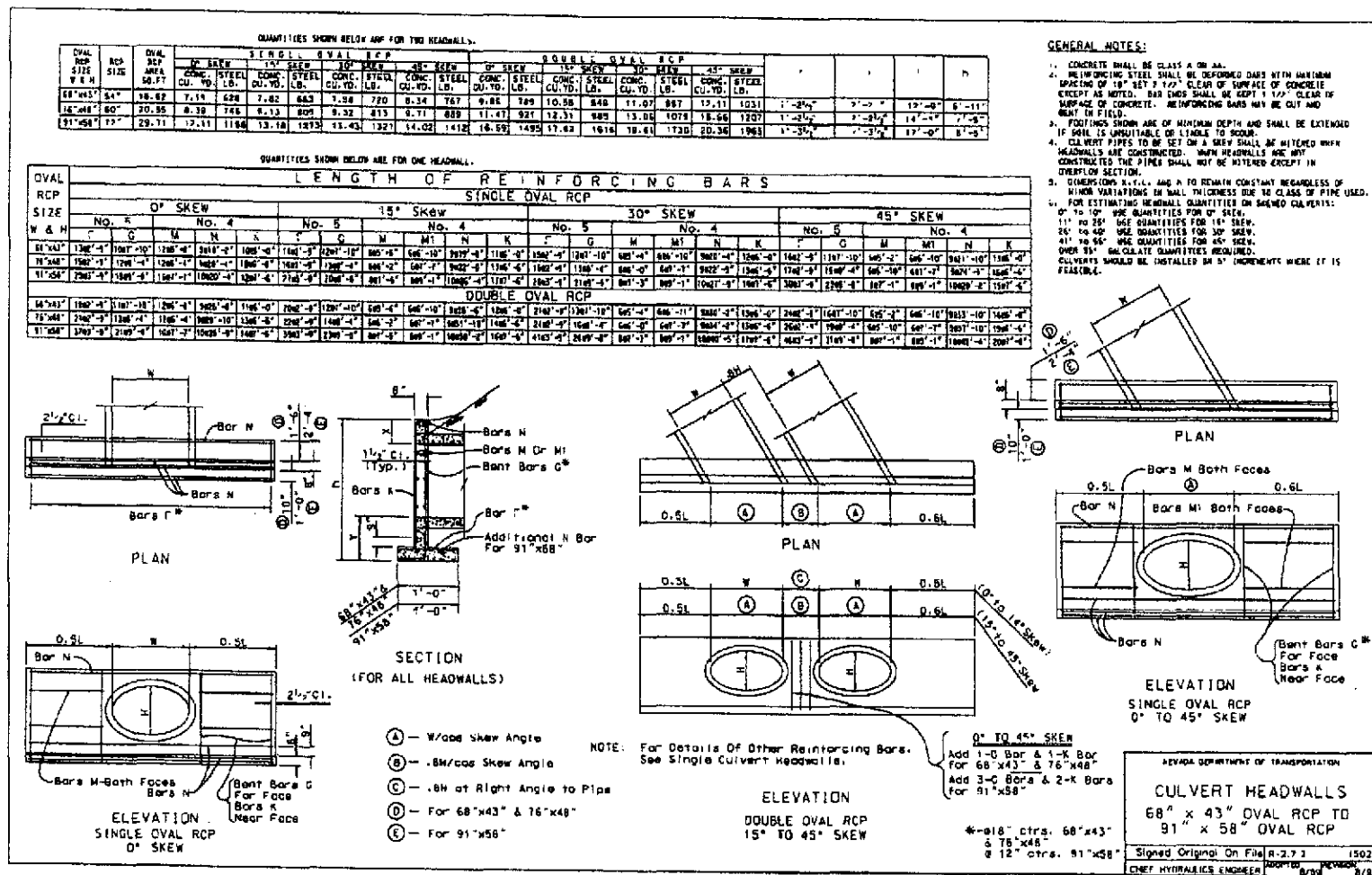
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RHODES HOMES ARIZONA, LLC **GOLDEN VALLEY RANCH**

SCALE: NOT TO SCALE

FIGURE VII-J

DATE: 20 DEC 2005
REV:



CL01766



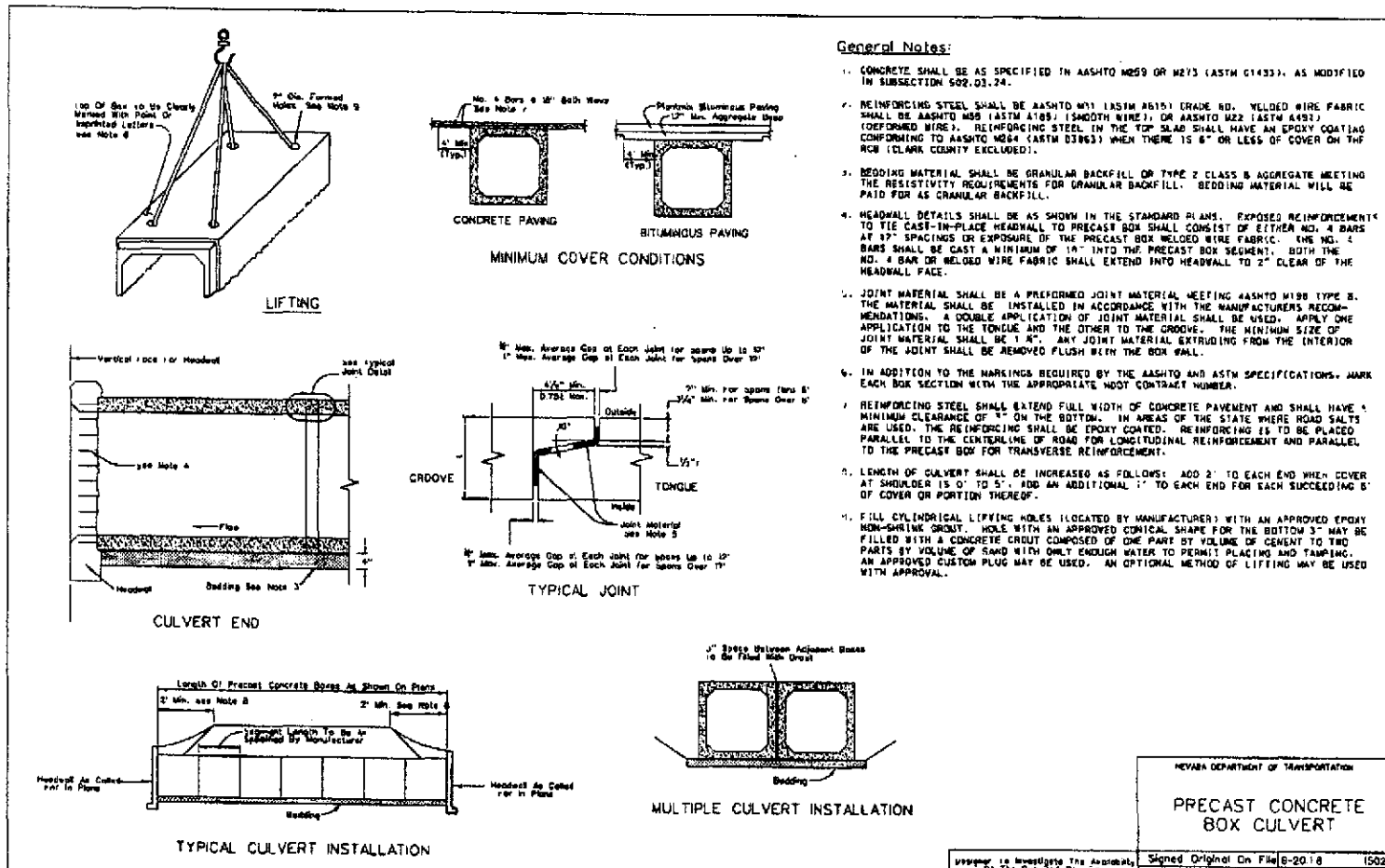
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RHODES HOMES ARIZONA, LLC GOLDEN VALLEY RANCH

SCALE: NOT TO SCALE

FIGURE VII-K

DATE: 20 DEC 2005
REV:



NEVADA DEPARTMENT OF TRANSPORTATION

PRECAST CONCRETE BOX CULVERT

Prepared by: [Signature] Checked by: [Signature] Approved by: [Signature]
DATE: 10/1/05
PROJECT: [Signature]
SHEET: 4/25

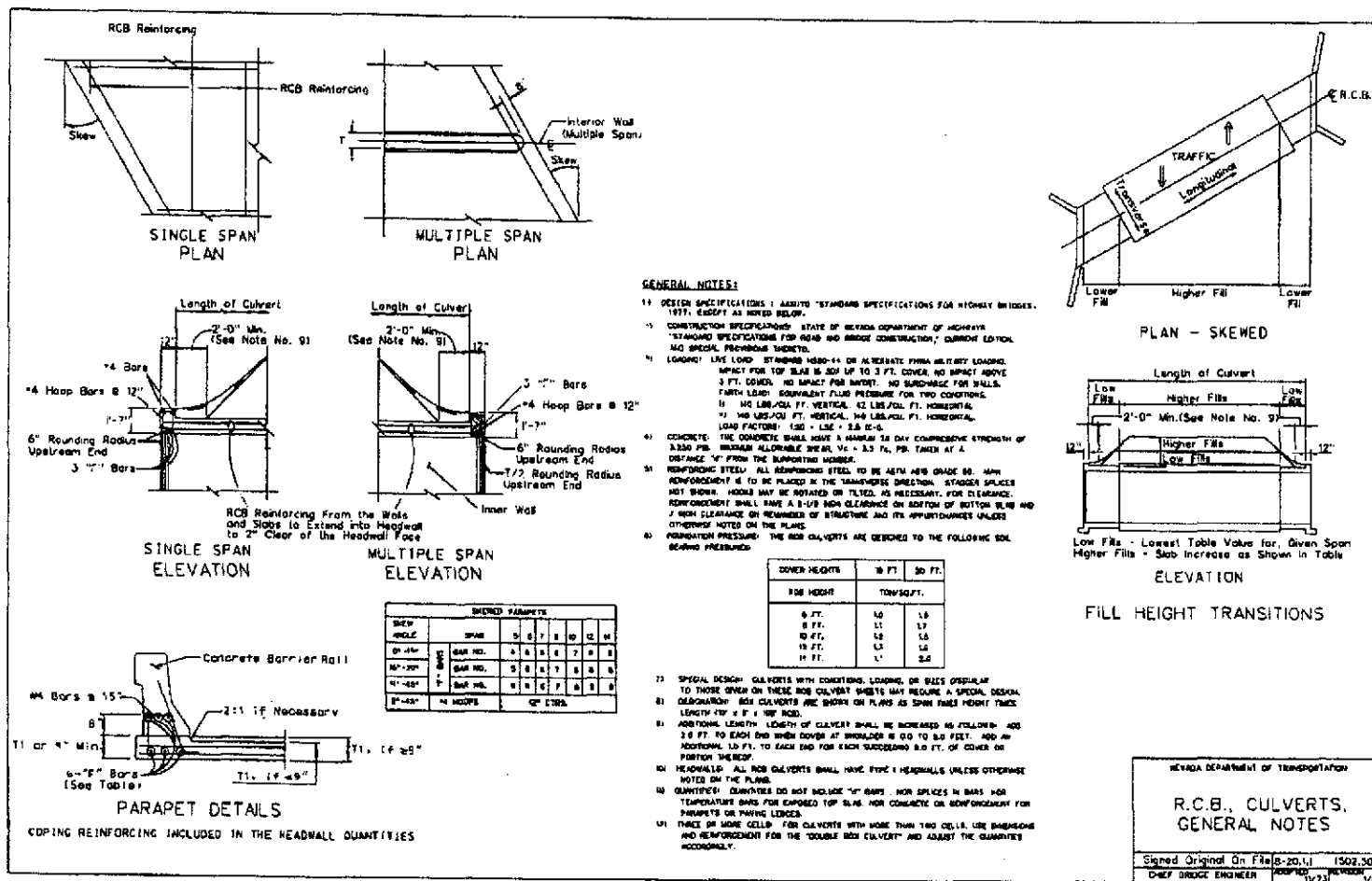
CL01767

FIGURE VI-1

SCALE: NOT TO SCALE

DATE: 20 DEC 2005
REV:

**RHODES HOMES ARIZONA, LLC
GOLDEN VALLEY RANCH**





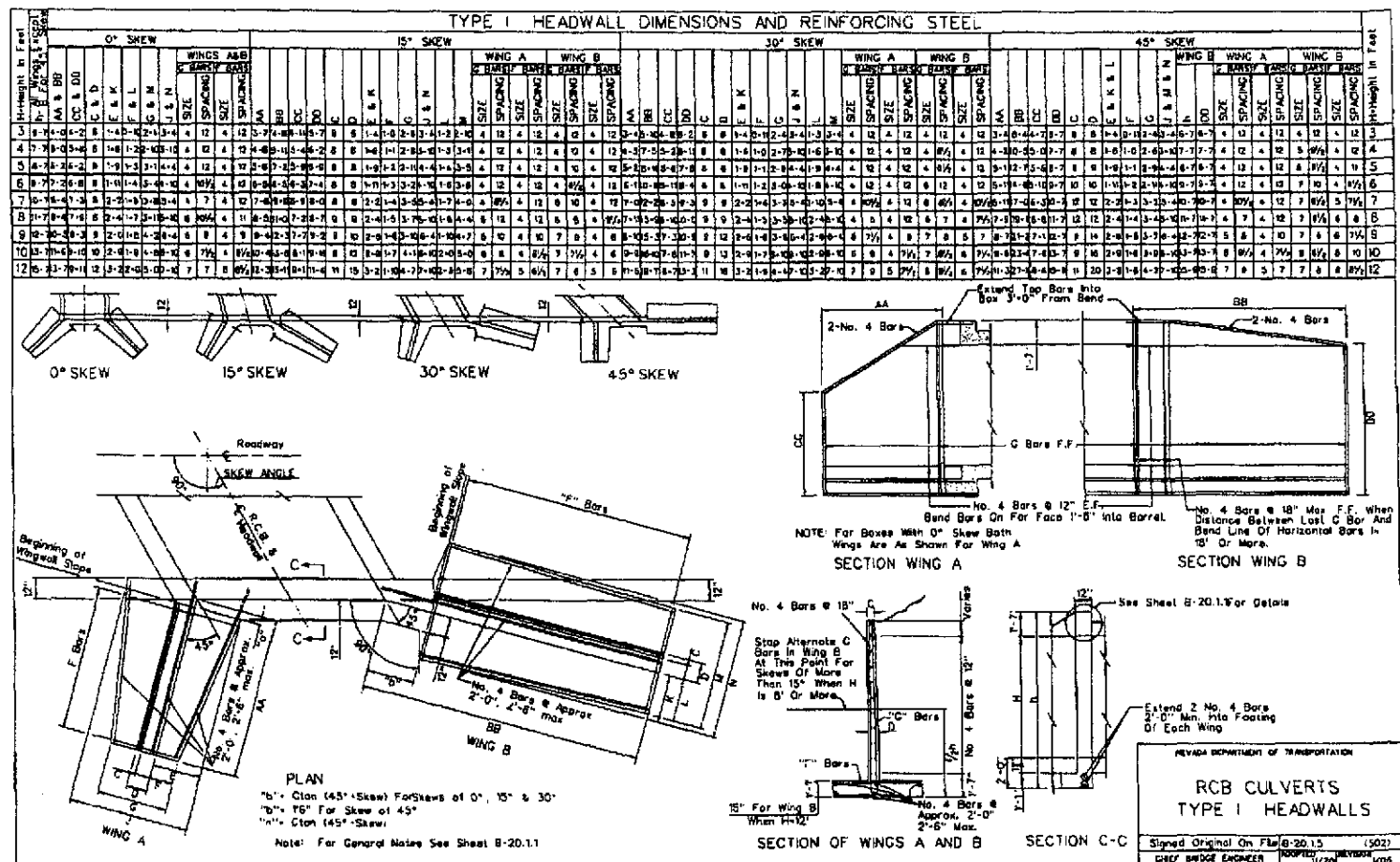
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RHODES HOMES ARIZONA, LLC **GOLDEN VALLEY RANCH**

SCALE: NOT TO SCALE

FIGURE VII-M

DATE: 20 DEC 2005
REV:

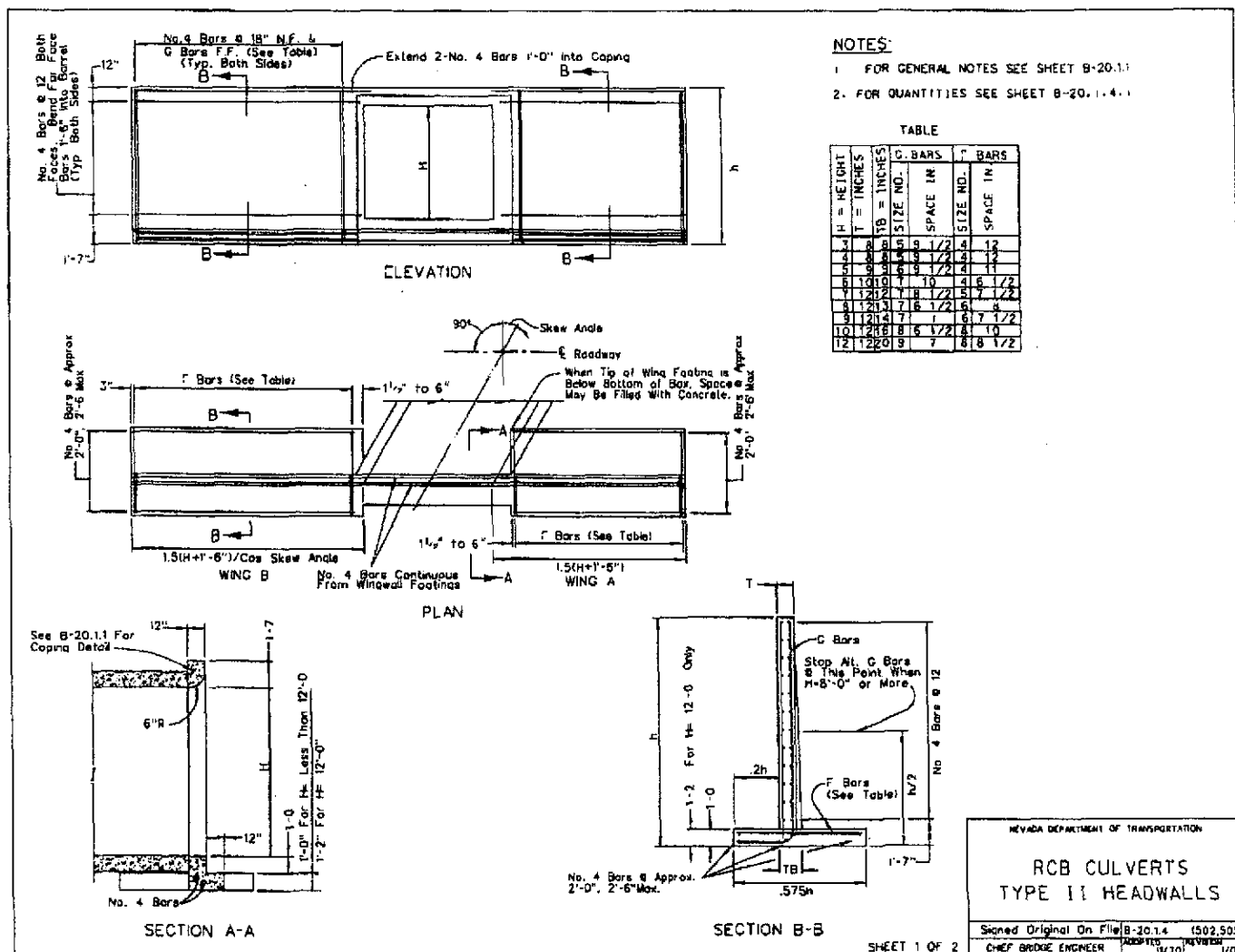


CL01769

FIGURE VII-N

SCALE: NOT TO SCALE

**RHODES HOMES ARIZONA, LLC
GOLDEN VALLEY RANCH**



**RHODES HOMES ARIZONA, LLC
GOLDEN VALLEY RANCH**

FIGURE VII-0

DATE: 20 DEC 2005
REV:

① - QUANTITIES SHOWN ARE FOR TWO HEADWALLS AT THE INLET AND OUTLET

CUBIC YARDS OF CONCRETE AND POUNDS OF REINFORCING FOR TWO TYPE II HEADWALLS ①

SPAN	HEIGHT	CUBIC YARDS OF CONCRETE AND POUNDS OF REINFORCING FOR TWO TYPE II HEADWALLS ①																								HEIGHT	SPAN
		SINGLE BOX								DOUBLE BOX								TRIPLE BOX									
		0° SKEW		15° SKEW		30° SKEW		45° SKEW		0° SKEW		15° SKEW		30° SKEW		45° SKEW		0° SKEW		15° SKEW		30° SKEW		45° SKEW			
CONC.	REINF.	CONC.	REINF.	CONC.	REINF.	CONC.	REINF.	CONC.	REINF.	CONC.	REINF.	CONC.	REINF.	CONC.	REINF.	CONC.	REINF.	CONC.	REINF.	CONC.	REINF.	CONC.	REINF.	CONC.	REINF.		
5	3	9.4	871	8.6	800	10.2	947	11.5	1,073	11.4	931	11.8	1,071	12.4	1,049	14.3	1,243	16.6	1,361	17.0	1,393	18.5	1,458	21.4	1,713	3	5
5	4	12.3	1,241	12.5	1,183	13.3	1,257	15.6	1,399	14.9	1,261	15.8	1,391	16.9	1,316	18.2	1,469	20.6	1,581	20.8	1,594	22.2	1,647	25.4	1,838	4	5
5	5	15.2	1,552	15.4	1,483	16.3	1,557	18.6	1,700	17.9	1,561	18.8	1,691	19.9	1,616	21.2	1,770	23.6	1,882	23.8	1,895	25.2	1,948	28.4	2,139	5	5
6	3	11.8	1,088	11.0	1,019	12.6	1,163	13.9	1,287	13.8	1,045	14.2	1,169	14.8	1,147	16.1	1,301	18.4	1,413	18.7	1,445	20.1	1,498	23.3	1,689	3	6
6	4	14.7	1,399	13.9	1,330	15.5	1,424	16.8	1,548	16.7	1,306	17.1	1,430	17.7	1,408	18.9	1,562	21.2	1,674	21.5	1,697	22.9	1,750	26.1	1,941	4	6
6	5	17.6	1,710	16.8	1,641	18.2	1,735	19.5	1,859	19.4	1,617	19.8	1,741	20.4	1,719	21.7	1,873	24.0	1,985	24.3	1,998	25.7	2,051	28.9	2,242	5	6
7	3	13.2	1,209	12.4	1,140	14.0	1,234	15.3	1,358	15.2	1,116	15.6	1,240	16.2	1,218	17.5	1,372	19.8	1,484	20.1	1,507	21.5	1,560	24.7	1,751	3	7
7	4	16.1	1,520	15.3	1,451	16.0	1,545	17.3	1,669	17.2	1,427	17.6	1,551	18.2	1,529	19.5	1,683	21.8	1,795	22.1	1,818	23.5	1,871	26.7	2,062	4	7
7	5	19.0	1,831	18.2	1,762	19.0	1,856	20.3	1,980	20.2	1,738	20.6	1,862	21.2	1,840	22.5	1,994	24.8	2,106	25.1	2,129	26.5	2,182	29.7	2,373	5	7
8	3	14.6	1,270	13.8	1,201	14.6	1,295	15.9	1,419	15.8	1,177	16.2	1,301	16.8	1,279	18.1	1,433	20.4	1,545	20.7	1,568	22.1	1,621	25.3	1,812	3	8
8	4	17.5	1,581	16.7	1,512	17.4	1,606	18.7	1,730	18.6	1,489	19.0	1,613	19.6	1,591	20.9	1,745	23.2	1,857	23.5	1,880	24.9	1,933	28.1	2,124	4	8
8	5	20.4	1,892	19.6	1,823	20.4	1,917	21.7	2,041	21.6	1,799	22.0	1,923	22.6	1,901	23.9	2,055	26.2	2,167	26.5	2,190	27.9	2,243	31.1	2,434	5	8
10	3	16.0	1,360	15.2	1,291	16.0	1,335	17.3	1,459	17.2	1,217	17.6	1,341	18.2	1,319	19.5	1,473	21.8	1,585	22.1	1,608	23.5	1,661	26.7	1,852	3	10
10	4	18.9	1,671	18.1	1,602	18.8	1,646	20.1	1,770	20.0	1,532	20.4	1,656	21.0	1,634	22.3	1,788	24.2	1,899	24.5	1,922	25.9	2,005	29.1	2,196	4	10
10	5	21.8	1,982	21.0	1,913	21.8	1,957	23.1	2,081	23.0	1,839	23.4	1,963	24.0	1,941	25.3	2,105	26.8	2,217	27.1	2,240	28.5	2,293	32.3	2,484	5	10
10	6	24.7	2,293	23.9	2,224	24.6	2,268	25.9	2,392	25.8	2,150	26.2	2,274	26.8	2,252	28.1	2,406	29.6	2,518	29.9	2,541	31.3	2,594	35.5	2,785	6	10
12	3	17.4	1,451	16.6	1,382	17.2	1,426	18.5	1,550	18.4	1,308	18.8	1,432	19.4	1,410	20.7	1,564	23.0	1,676	23.3	1,699	24.7	1,752	27.9	1,943	3	12
12	4	20.3	1,762	19.5	1,693	20.0	1,737	21.3	1,861	21.2	1,573	21.6	1,697	22.2	1,675	23.5	1,829	25.8	1,941	26.1	1,964	27.5	2,017	31.1	2,208	4	12
12	5	23.2	2,073	22.4	1,994	23.0	2,038	24.3	2,162	24.2	1,884	24.6	2,008	25.2	1,986	26.5	2,140	28.2	2,252	28.5	2,275	29.9	2,328	33.5	2,519	5	12
12	6	26.1	2,384	25.3	2,305	25.8	2,349	27.1	2,473	27.0	2,195	27.4	2,319	28.0	2,297	29.3	2,451	31.6	2,563	31.9	2,586	33.3	2,639	37.1	2,830	6	12
12	7	29.0	2,695	28.2	2,616	28.8	2,660	30.1	2,784	30.0	2,496	30.4	2,620	31.0	2,598	32.3	2,752	34.6	2,864	34.9	2,887	36.3	2,940	40.9	3,131	7	12
12	8	31.9	3,006	31.1	2,927	31.6	2,971	32.9	3,095	32.8	2,797	33.2	2,921	33.8	2,899	35.1	3,053	37.4	3,165	37.7	3,188	39.1	3,241	43.9	3,432	8	12
12	9	34.8	3,317	34.0	3,238	34.6	3,282	35.9	3,406	35.8	3,099	36.2	3,223	36.8	3,201	38.1	3,355	40.4	3,467	40.7	3,490	42.1	3,543	47.9	3,734	9	12
12	10	37.7	3,628	36.9	3,549	37.4	3,593	38.7	3,717	38.6	3,391	39.0	3,515	39.6	3,493	40.9	3,647	43.2	3,759	43.5	3,782	44.9	3,835	50.9	4,026	10	12
12	11	40.6	3,939	39.8	3,860	40.4	3,904	41.7	4,028	41.6	3,693	42.0	3,817	42.6	3,795	43.9	3,949	46.2	4,061	46.5	4,084	47.9	4,137	54.9	4,328	11	12
12	12	43.5	4,250	42.7	4,171	43.2	4,215	44.5	4,339	44.4	3,994	44.8	4,118	45.4	4,096	46.7	4,250	49.0	4,362	49.3	4,385	50.7	4,438	58.7	4,629	12	12

QUANTITIES FOR ADDITIONAL CELLS

CONCRETE FOR TWO TYPE II HEADWALLS FOR EACH ADDITIONAL CELL (20 YARDS) (ADD THIS QUANTITY TO THE QUANTITY FOR A DOUBLE BOX)

FOR HEIGHT(H) LESS THAN 12'11"

CB 56/11 \times (SPAN/11) \times 0.87/11/3 COS SKEW ANGLE

FOR HEIGHT(H) EQUAL TO OR GREATER THAN 12'11"

FB 23/11 \times (SPAN/11) \times 0.87/11/3 COS SKEW ANGLE

REINFORCING FOR TWO TYPE II HEADWALLS FOR EACH ADDITIONAL CELL (POUNDS) (ADD THIS QUANTITY TO THE QUANTITY FOR A DOUBLE BOX)

FOR HEIGHT(H) LESS THAN OR EQUAL TO 7'11"
CB 6.086/11 \times (SPAN/11) \times 0.87/11/3 COS SKEW ANGLE

FOR HEIGHT(H) EQUAL TO 8'11" OR 9'11"
CB 4.038/11 \times (SPAN/11) \times 0.87/11/3 COS SKEW ANGLE

FOR HEIGHT(H) EQUAL TO OR GREATER THAN 10'11"
CB 4.272/11 \times (SPAN/11) \times 0.87/11/3 COS SKEW ANGLE

ANGLE	COSINE
0°	1.0000
15°	0.9659
30°	0.8660
45°	0.7071

NEVADA DEPARTMENT OF TRANSPORTATION

RCB CULVERTS
TYPE II HEADWALLS

Signed Original On File 8-20-14, 1602,505
CHIEF BRIDGE ENGINEER (NCE) (

CL01771



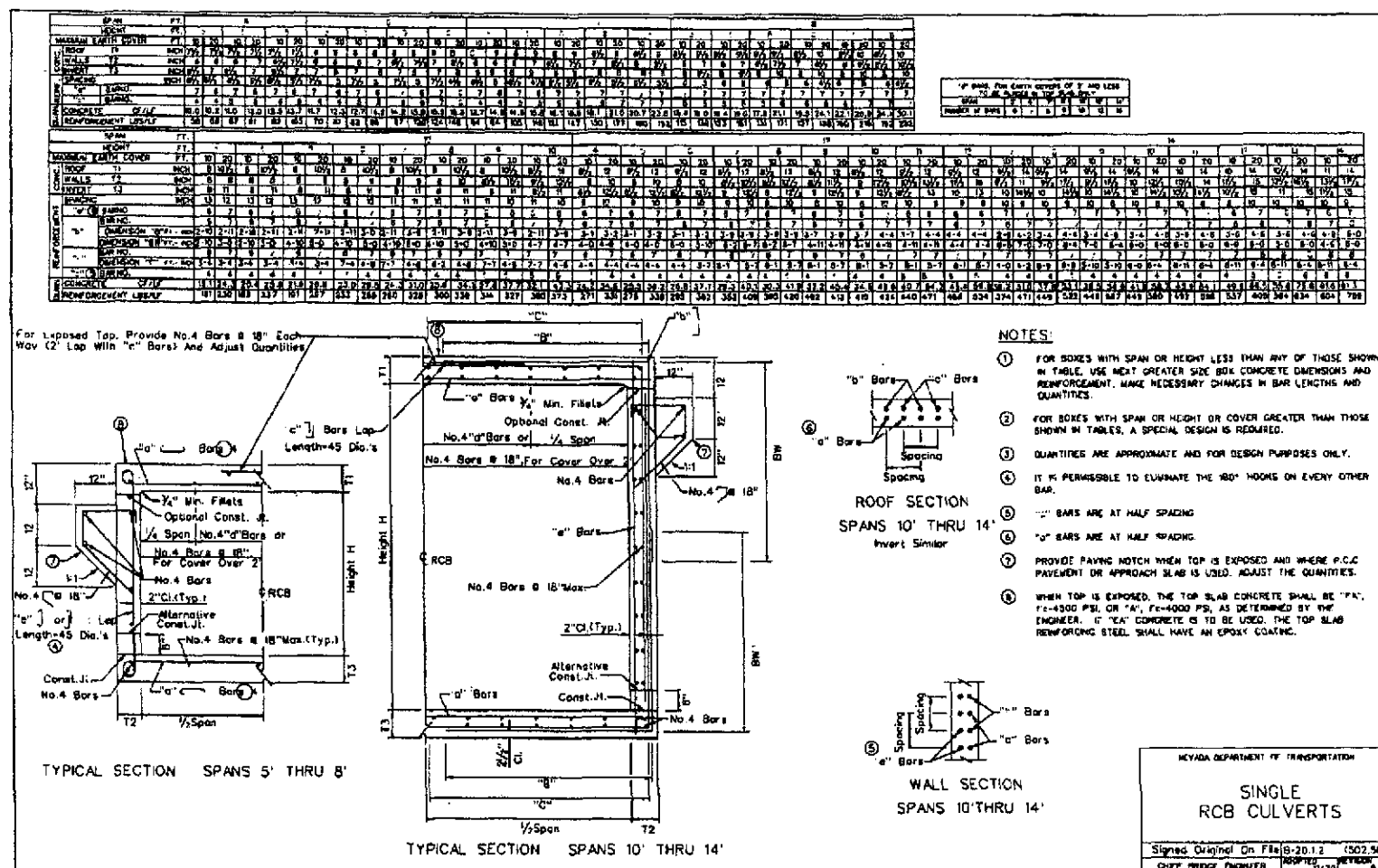
Stanley Consultants Inc.
5820 S. EASTERN AVENUE, SUITE 200
LAS VEGAS, NEVADA 89119
(702) 369-9396 Fax (702) 369-9793

RHODES HOMES ARIZONA, LLC GOLDEN VALLEY RANCH

SCALE: NOT TO SCALE

FIGURE VII-P

DATE: 20 DEC 2005
REV:



CL01772



Stanley Consultants Inc.
5820 S. EASTERN AVENUE, SUITE 200
LAS VEGAS, NEVADA 89119
(702) 369-9396 Fax (702) 369-9793

RHODES HOMES ARIZONA, LLC GOLDEN VALLEY RANCH

SCALE: NOT TO SCALE

FIGURE VII-C

DATE: 20 DEC 2005
REV:

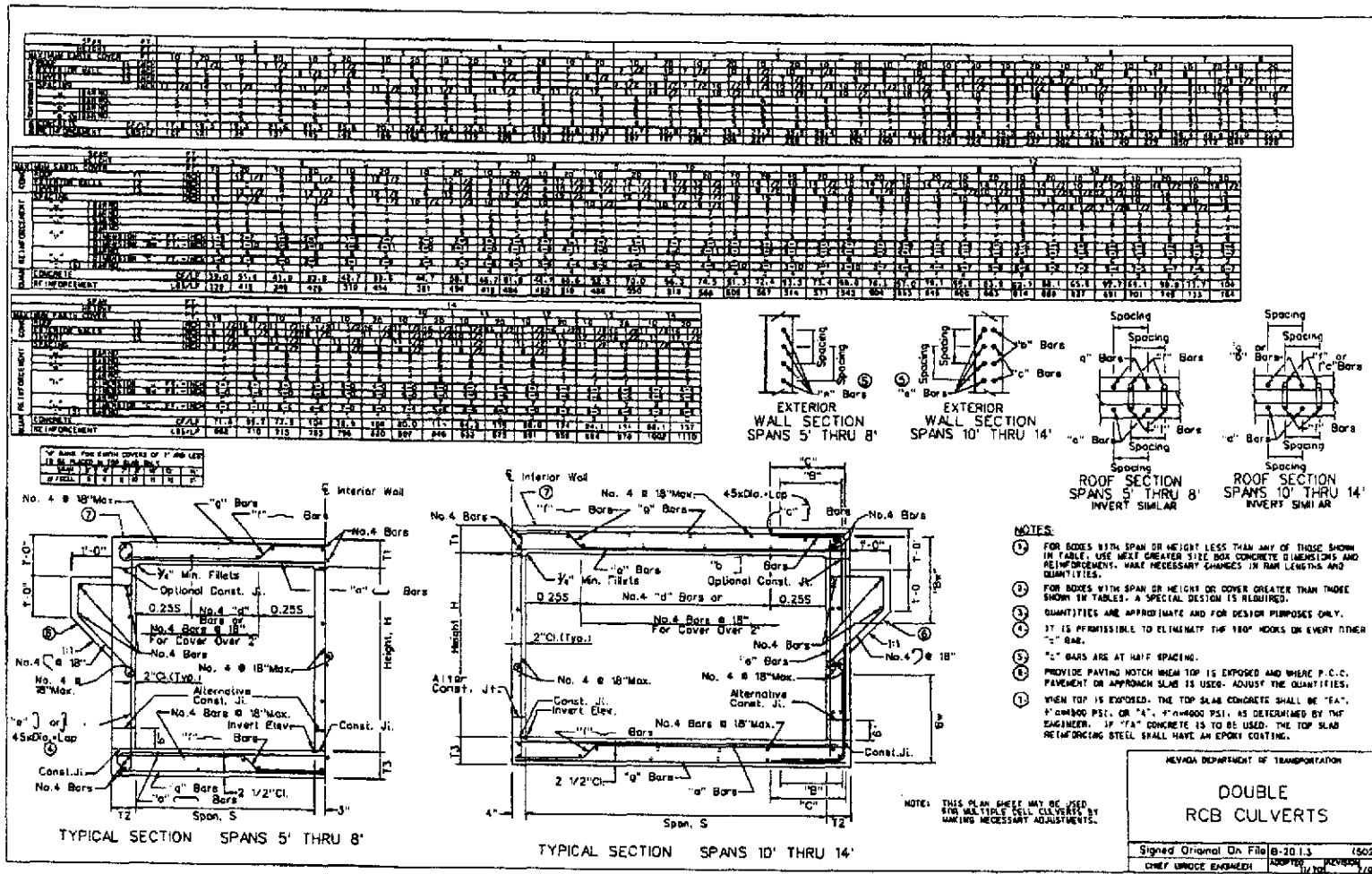


FIGURE VII-R

SCALE: NOT TO SCALE

DATE: 20 DEC 2005
REV:

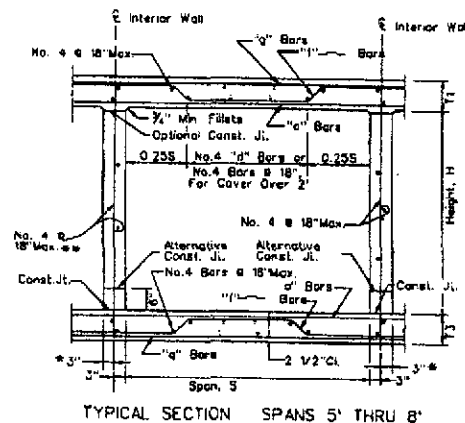
**RHODES HOMES ARIZONA, LLC
GOLDEN VALLEY RANCH**

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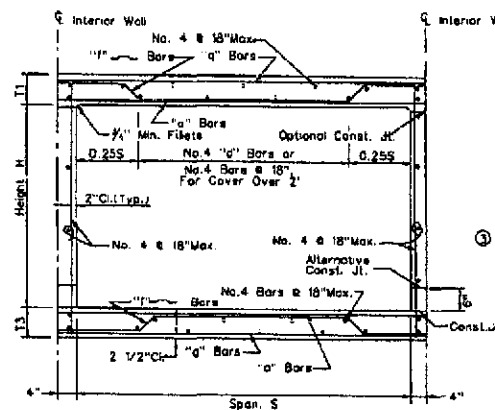
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CONCRETE		0.1	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9	20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8	21.9	22.0	22.1	22.2	22.3	22.4	22.5	22.6	22.7	22.8	22.9	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9	24.0	24.1	24.2	24.3	24.4	24.5	24.6	24.7	24.8	24.9	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26.8	26.9	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9	31.0	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9	32.0	32.1	32.2	32.3	32.4	32.5	32.6	32.7	32.8	32.9	33.0	33.1	33.2	33.3	33.4	33.5	33.6	33.7	33.8	33.9	34.0	34.1	34.2	34.3	34.4	34.5	34.6	34.7	34.8	34.9	35.0	35.1	35.2	35.3	35.4	35.5	35.6	35.7	35.8	35.9	36.0	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9	38.0	38.1	38.2	38.3	38.4	38.5	38.6	38.7	38.8	38.9	39.0	39.1	39.2	39.3	39.4	39.5	39.6	39.7	39.8	39.9	40.0	40.1	40.2	40.3	40.4	40.5	40.6	40.7	40.8	40.9	41.0	41.1	41.2	41.3	41.4	41.5	41.6	41.7	41.8	41.9	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9	46.0	46.1	46.2	46.3	46.4	46.5	46.6	46.7	46.8	46.9	47.0	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	48.0	48.1	48.2	48.3	48.4	48.5	48.6	48.7	48.8	48.9	49.0	49.1	49.2	49.3	49.4	49.5	49.6	49.7	49.8	49.9	50.0	50.1	50.2	50.3	50.4	50.5	50.6	50.7	50.8	50.9	51.0	51.1	51.2	51.3	51.4	51.5	51.6	51.7	51.8	51.9	52.0	52.1	52.2	52.3	52.4	52.5	52.6	52.7	52.8	52.9	53.0	53.1	53.2	53.3	53.4	53.5	53.6	53.7	53.8	53.9	54.0	54.1	54.2	54.3	54.4	54.5	54.6	54.7	54.8	54.9	55.0	55.1	55.2	55.3	55.4	55.5	55.6	55.7	55.8	55.9	56.0	56.1	56.2	56.3	56.4	56.5	56.6	56.7	56.8	56.9	57.0	57.1	57.2	57.3	57.4	57.5	57.6	57.7	57.8	57.9	58.0	58.1	58.2	58.3	58.4	58.5	58.6	58.7	58.8	58.9	59.0	59.1	59.2	59.3	59.4	59.5	59.6	59.7	59.8	59.9	60.0	60.1	60.2	60.3	60.4	60.5	60.6	60.7	60.8	60.9	61.0	61.1	61.2	61.3	61.4	61.5	61.6	61.7	61.8	61.9	62.0	62.1	62.2	62.3	62.4	62.5	62.6	62.7	62.8	62.9	63.0	63.1	63.2	63.3	63.4	63.5	63.6	63.7	63.8	63.9	64.0	64.1	64.2	64.3	64.4	64.5	64.6	64.7	64.8	64.9	65.0	65.1	65.2	65.3	65.4	65.5	65.6	65.7	65.8	65.9	66.0	66.1	66.2	66.3	66.4	66.5	66.6	66.7	66.8	66.9	67.0	67.1	67.2	67.3	67.4	67.5	67.6	67.7	67.8	67.9	68.0	68.1	68.2	68.3	68.4	68.5	68.6	68.7	68.8	68.9	69.0	69.1	69.2	69.3	69.4	69.5	69.6	69.7	69.8	69.9	70.0	70.1	70.2	70.3	70.4	70.5	70.6	70.7	70.8	70.9	71.0	71.1	71.2	71.3	71.4	71.5	71.6	71.7	71.8	71.9	72.0	72.1	72.2	72.3	72.4	72.5	72.6	72.7	72.8	72.9	73.0	73.1	73.2	73.3	73.4	73.5	73.6	73.7	73.8	73.9	74.0	74.1	74.2	74.3	74.4	74.5	74.6	74.7	74.8	74.9	75.0	75.1	75.2	75.3	75.4	75.5	75.6	75.7	75.8	75.9	76.0	76.1	76.2	76.3	76.4	76.5	76.6	76.7	76.8	76.9	77.0	77.1	77.2	77.3	77.4	77.5	77.6	77.7	77.8	77.9	78.0	78.1	78.2	78.3	78.4	78.5	78.6	78.7	78.8	78.9	79.0	79.1	79.2	79.3	79.4	79.5	79.6	79.7	79.8	79.9	80.0	80.1	80.2	80.3	80.4	80.5	80.6	80.7	80.8	80.9	81.0	81.1	81.2	81.3	81.4	81.5	81.6	81.7	81.8	81.9	82.0	82.1	82.2	82.3	82.4	82.5	82.6	82.7	82.8	82.9	83.0	83.1	83.2	83.3	83.4	83.5	83.6	83.7	83.8	83.9	84.0	84.1	84.2	84.3	84.4	84.5	84.6	84.7	84.8	84.9	85.0	85.1	85.2	85.3	85.4	85.5	85.6	85.7	85.8	85.9	86.0	86.1	86.2	86.3	86.4	86.5	86.6	86.7	86.8	86.9	87.0	87.1	87.2	87.3	87.4	87.5	87.6	87.7	87.8	87.9	88.0	88.1	88.2	88.3	88.4	88.5	88.6	88.7	88.8	88.9	89.0	89.1	89.2	89.3	89.4	89.5	89.6	89.7	89.8	89.9	90.0	90.1	90.2	90.3	90.4	90.5	90.6	90.7	90.8	90.9	91.0	91.1	91.2	91.3	91.4	91.5	91.6	91.7	91.8	91.9	92.0	92.1	92.2	92.3	92.4	92.5	92.6	92.7	92.8	92.9	93.0	93.1	93.2	93.3	93.4	93.5	93.6	93.7	93.8	93.9	94.0	94.1	94.2	94.3	94.4	94.5	94.6	94.7	94.8	94.9	95.0	95.1	95.2	95.3	95.4	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.7	98.8	98.9	99.0	99.1	99.2	99.3	99.4	99.5	99.6	99.7	99.8	99.9	100.0
REINFORCEMENT		UNLVL	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			

② WHEN THE ADDITION OF CELLS CAUSES THE LENGTHS OF THE "o", "w"
"q", "BARS" EXCEED 60 FEET, THE "BARS" WILL REQUIRE
SPLICING. SPLICING OF THE "BARS" SHALL BE ABOUT
THE CENTER LINE OF THE INTERIOR WALLS. SPLICERS FOR THE "o"
BARS SHALL BE CENTERED ABOUT THE CENTER OF THE CELLS. SPLICERS
FOR THE "BARS" SHALL BE DONE AT THE 45 DEGREE LEG AND
CONFORM TO THE SPECIFICATIONS FOR SPLICING. SPLICER LOCATIONS SHALL BE
ALTERNATED FROM BAY TO BAY. SEE DETAIL SHOWING SPLICER LENGTHS
FOR THE "o" AND "q" BARS SHALL BE AS FOLLOWS:

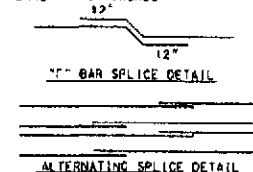
- | | | | | |
|-------|------|---|----|--------|
| NO. 4 | BARS | - | 16 | INCHES |
| NO. 6 | BARS | - | 24 | INCHES |
| NO. 7 | BARS | - | 31 | INCHES |
| NO. 8 | BARS | - | 40 | INCHES |



* - CONCRETE FOR THIS PORTION IS INCLUDED IN QUANTITIES OF ADJOINING CELLS.
* * - REINFORCING STEEL INCLUDED IN PREVIOUS CELLS QUANTITIES.



TYPICAL SECTION SPANS 10' THRU 14'



- ③ FOR DIMENSIONS, BAR SIZES, BAR SPACING, AND ROOF SECTION SPACING DETAIL, SEE SHEET B-20.1.5. FOR GENERAL NOTES, SEE SHEET B-20.1.1.

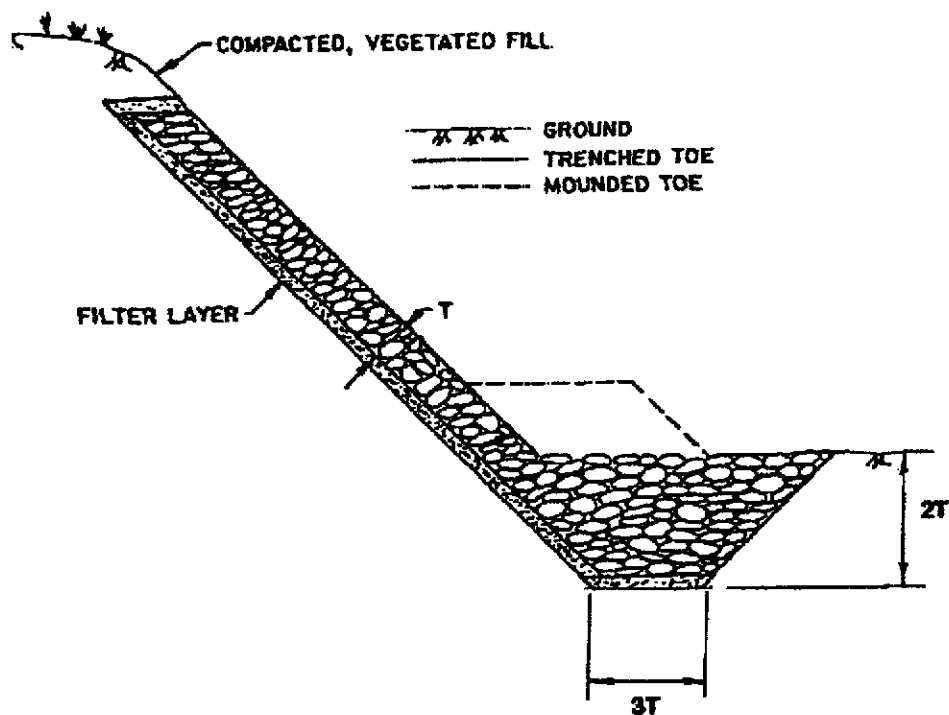
NEVADA DEPARTMENT OF TRANSPORTATION

ADDITIONAL CELLS TO BE USED
WITH DOUBLE ROB CULVERTS TO
PROVIDE FOR MULTIPLE CELL CULVERTS

Signed Original On File	8-20,13,1	(502)
CHIEF BRIDGE ENGINEER	ADAPTED	REVISION

HYDROLOGIC CRITERIA AND DRAINAGE DESIGN MANUAL

TOE PROTECTION



(After Blodgett, 1986)

Revision	Date

REFERENCE:

FIGURE 705D

RHODES HOMES ARIZONA, LLC
GOLDEN VALLEY RANCH



Stanley Consultants INC
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LAS VEGAS NEVADA 89119
(702) 369-9396 Fax (702) 369-9793

SCALE: NOT TO SCALE

FIGURE VII-S

DATE: 20 DEC 2005
REV:

CL01775



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SCALE: NOT TO SCALE

FIGURE VII-T

DATE: 20 DEC 2005
REV:

**WRC
ENGINEERING**

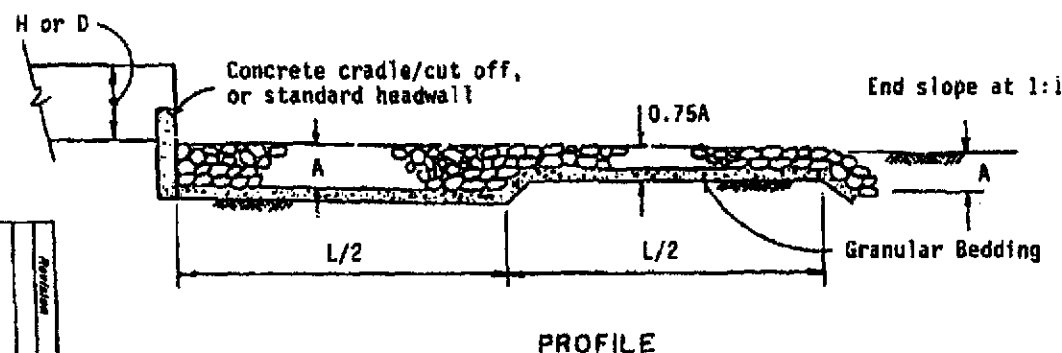
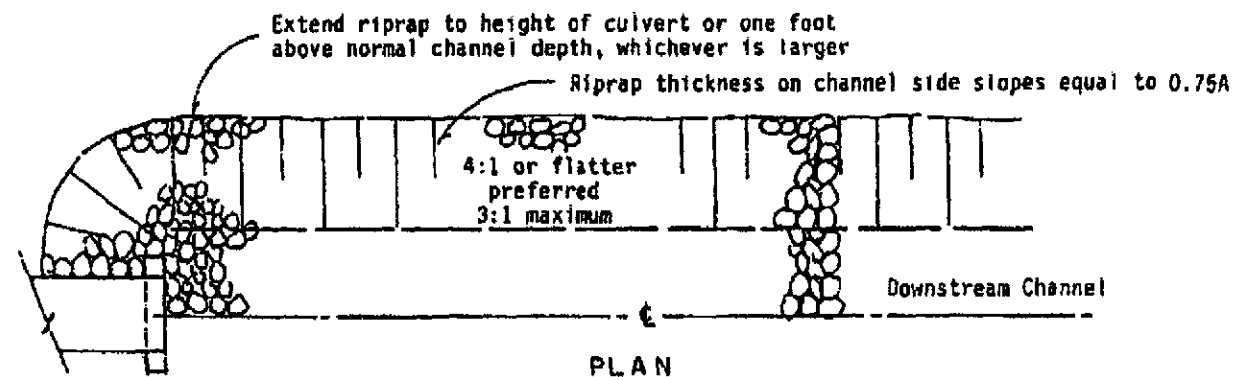
REFERENCE:

USDCM, DRC06, March 1969 (with modifications)

FIGURE 711

Revision	Date

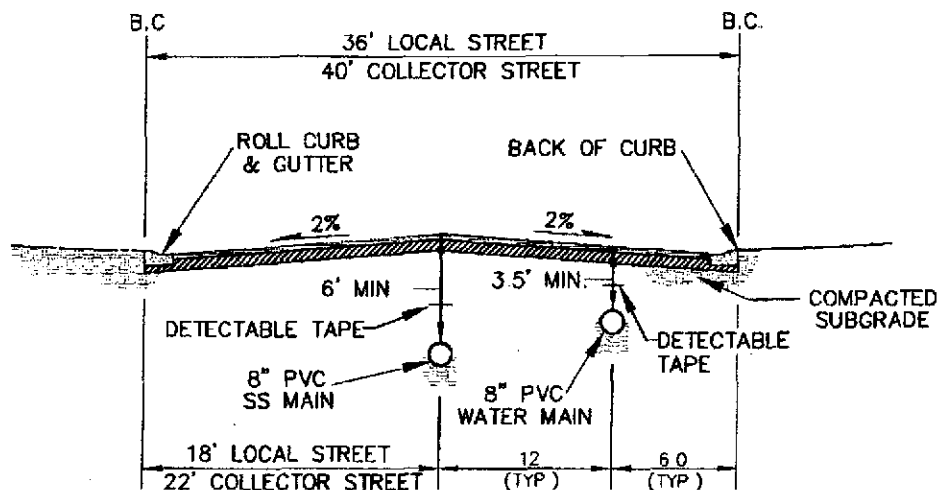
CONDUIT OUTLET EROSION PROTECTION



NOTE: A = 2 feet for riprap, 3 feet for heavy riprap.

HYDROLOGIC CRITERIA AND DRAINAGE DESIGN MANUAL

CL01776



TYPICAL WATER AND SS MAIN LINE SECTION

N.T.S.

NOTE:
INSTALL M.A.G. STANDARD DETECTABLE LOCATOR TAPE OR
PLASTIC COATED (BLUE FOR WATER AND GREEN
FOR SEWER) #8 WIRE FOR ALL WATER AND SEWER LINES

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FIGURE VIII-A-1

DATE: 20 DEC 2005
REV:

CL01777



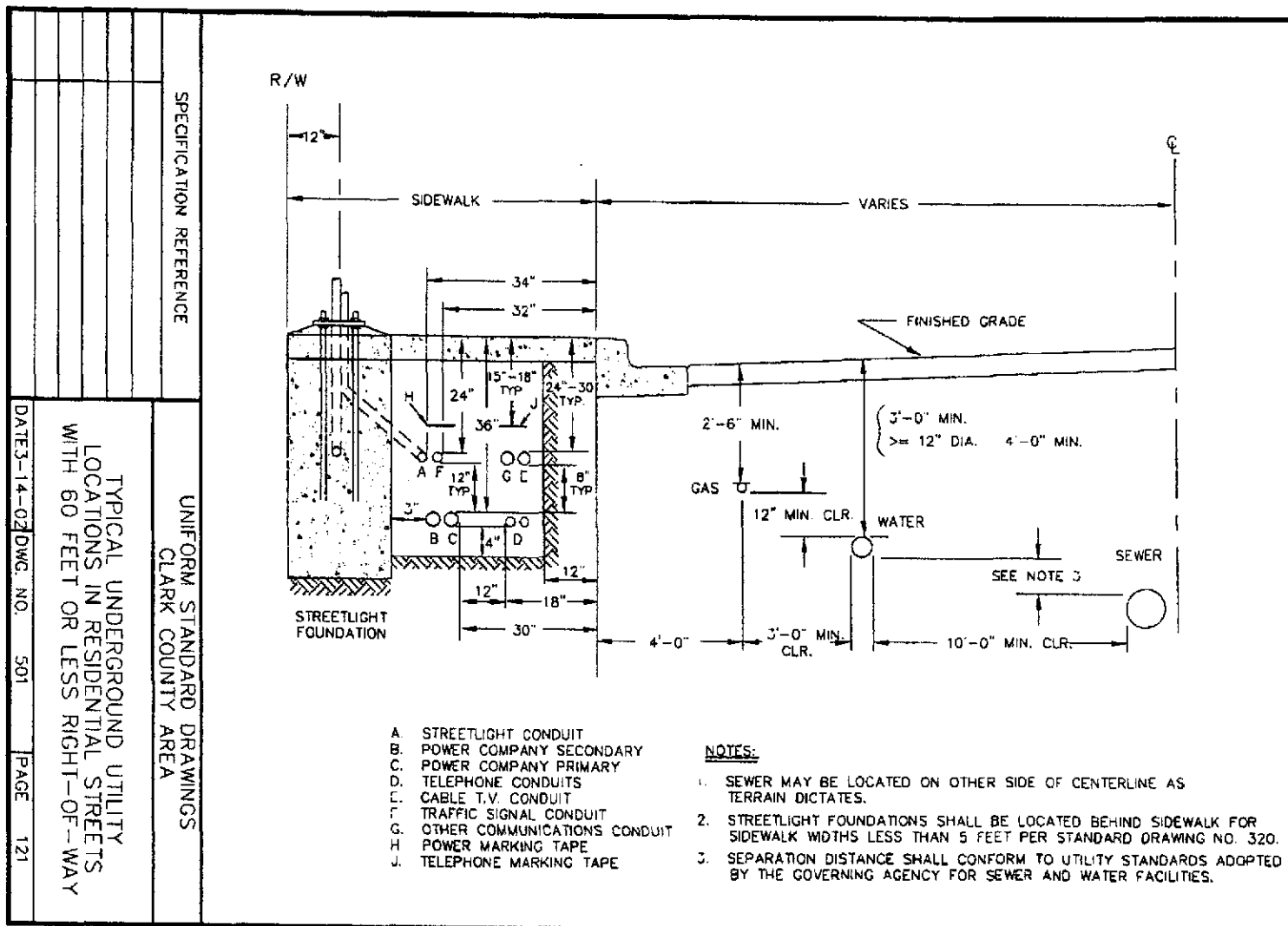
Stanley Consultants INC.
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RHODES HOMES ARIZONA, LLC **GOLDEN VALLEY RANCH**

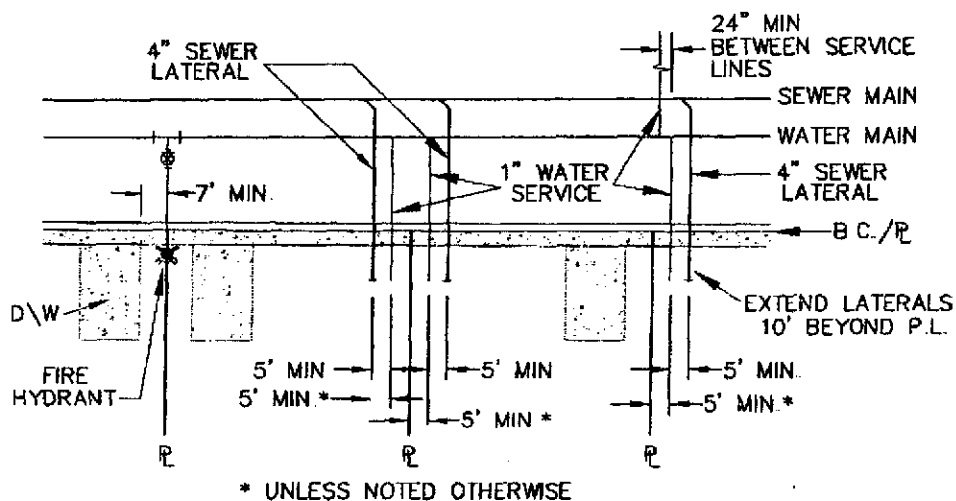
SCALE: NOT TO SCALE

FIGURE VIII-A-2

DATE: 20 DEC 2005
REV:



CL01778



TYPICAL WATER AND SS LATERALS
N T S

RHODES HOMES ARIZONA, LLC
GOLDEN VALLEY RANCH



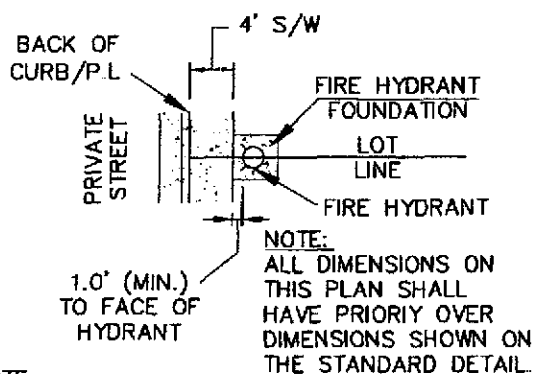
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SCALE: NOT TO SCALE

FIGURE VIII-A-3

DATE: 20 DEC 2005
REV:

CL01779



NOTE:
IN LOCATIONS WHERE FIRE HYDRANT IS NOT ADJACENT TO A SIDEWALK, FACE OF HYDRANT TO BE 3' FROM BACK OF CURB.

FIRE HYDRANT LOCATION
N.T.S.

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FIGURE VIII-A-4

DATE: 20 DEC 2005
REV:

CL01780



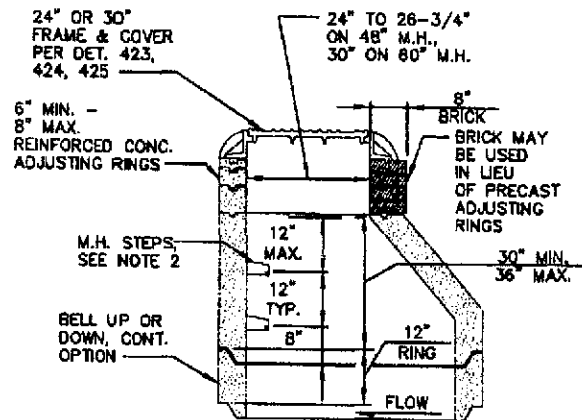
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SCALE: NOT TO SCALE

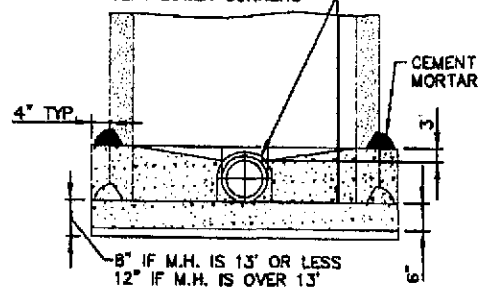
FIGURE VIII-B

DATE: 20 DEC 2005
REV:



TYPE 'A' TOP
(PRE-CAST ECCENTRIC CONICAL TOP M.H.)

** ALTERNATE BASE
WITH KNOCKOUTS FOR PIPES.
CLEARANCE AROUND PIPES
1" MIN. - 3" MAX.
EXCEPT LOWER CORNERS



NOTES:

1. PRE-CAST, REINFORCED M.H. SECTIONS SHALL BE MANUFACTURED IN ACCORDANCE WITH A.S.T.M. C-478 EXCEPT AS MODIFIED HEREIN.
2. M.H. STEPS SHALL BE INSTALLED AT SITE OF M.H. SECTION MANUFACTURE. MINIMUM CLEARANCE EACH SIDE OF M.H. LEG SHALL BE 1" STEPS SHALL BE MOUNTED WITH 2 TO 1 SAND/CEMENT DRY PACK MORTAR. (SEE DET. 428 FOR M.H. STEP.) STEPS REQUIRED IN 48" DIAMETER MANHOLE. STEPS NOT REQUIRED IN 60" DIAMETER MANHOLE.
3. USE LOW ALKALI CEMENT ONLY

DETAIL NO.
420-1



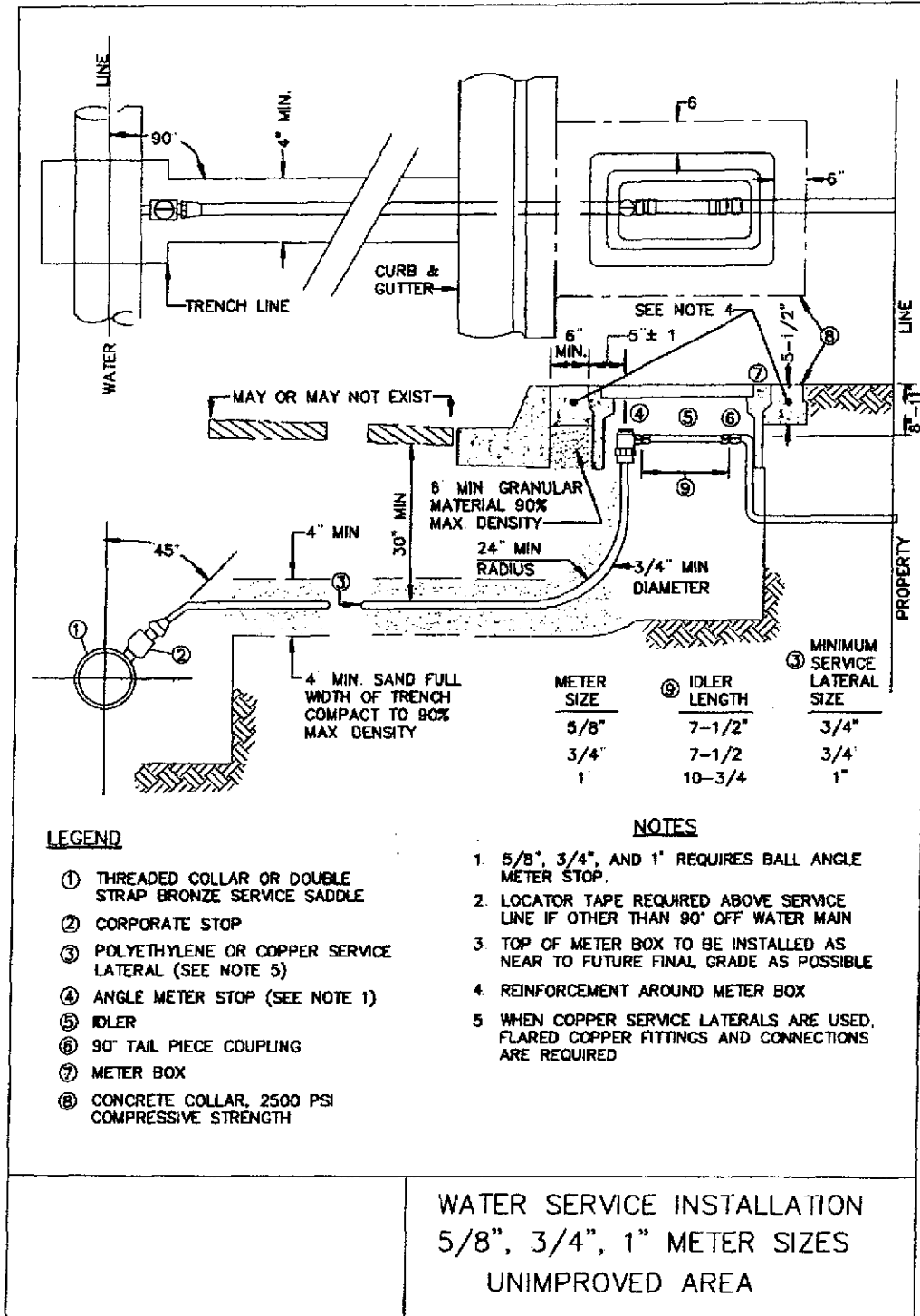
STANDARD DETAIL
ENGLISH

PRE-CAST CONCRETE SEWER MANHOLE

REVISED
01-01-2001

DETAIL NO.
420-1

CL01781



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SCALE: NOT TO SCALE

FIGURE VII-C

DATE: 20 DEC 2005

REV:

CL01782